



conditions including esophagitis and gastritis. (5.2)

compared with natients 7 years and older. (5.3)

change in neurologic status, (5.6, 7)

commended, especially in pediatric patients. (5.4, 2.1)

Hyperactivity: Monitor patients for hyperactivity. (5.7)

1-866-495-1995, or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patie

discontinue treatment in patients who experience anaphylaxis and initate appropriate medical

Upper Gastrointestinal Mucosal Inflammation: Monitor patients for signs and symptoms of these

Hypophenylalaninemia: Pediatric patients younger than 7 years treated with sapropterin

dihydrochloride tablets doses of 20 mg/kg per day are at increased risk for low levels of blood Phe

Monitoring Blood Phe Levels During Treatment: Ensure adequate blood Phe control and nutritional

balance during treatment with sapropterin dihydrochloride tablets. Frequent blood monitoring is

Lack of Biochemical Response to Sapropterin Dihydrochloride Treatment: Response to sapropterin

dihydrochloride treatment cannot be pre-determined by laboratory (e.g., molecular) testing and can only be determined by a therapeutic trial of sapropterin dihydrochloride. (5.5, 2.1)

Interaction with Levodopa: Seizures, over-stimulation or irritability may occur; monitor patients for a

....ADVERSE REACTIONS...

To report SUSPECTED ADVERSE REACTIONS, contact Annora Pharma Private Limited at

...DRUG INTERACTIONS...

Inhibitors of Folate Synthesis (e.g., methotrexate, valproic acid, phenobarbital, trimethoprim); Can

Drugs Affecting Nitric Oxide-Mediated Vasorelaxation (e.g., PDE-5 inhibitors): Potential fo

 $Most\ common\ adverse\ reactions\ (\,\geq 4\%)\ are:\ headache,\ rhinorrhea,\ pharyngolaryngeal\ pain,\ diarrhea,$

Sapropterin Dihydrochloride **Tablets**





HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use SAPROPTERIN DIHYDROCHLORIDE TABLETS safely and effectively. See full prescribing informa

SAPROPTERIN DIHYDROCHLORIDE tablets, for oral u Initial U.S. Approval: 2007

Warnings and Precautions Upper Gastrointestinal Mucosal Inflammation (5.2) --INDICATIONS AND USAGE-

Sapropterin dihydrochloride tablets are a phenylalanine hydroxylase activator indicated to reduce blood phenylalanine (Phe) levels in adult and pediatric patients one month of age and older with hyperphenylalaninemia (HPA) due to tetrahydrobiopterin- (BH4-) responsive Phenylketonuria (PKU). Sapropterin dihydrochloride tablets are to be used in conjunction with a Phe-restricted diet. (1)DOSAGE AND ADMINISTRATION....

All patients with PKU who are being treated with sapropterin dihydrochloride tablets should also be treated with a Phe-restricted diet, including dietary protein and Phe restriction. (2.1)

- Pediatric patients 1 month to 6 years: The recommended starting dose of sapropterin dihydrochloride tablets is 10 mg/kg taken once daily. (2.1)
- Patients 7 years and older: The recommended starting dose of sapropterin dihydrochloride tablets is
- Doses of sapropterin dihydrochloride tablets may be adjusted in the range of 5 to 20 mg/kg taken once
- Monitor blood Phe regularly, especially in pediatric patients. (2.1, 5.3) Preparation and Administration
- Swallow tablets whole or after mixing in a small amount of soft foods or dissolving in recommended
- liquid. See full prescribing information for complete information on mixing with food or liquid. (2.2) ...DOSAGE FORMS AND STRENGTHS-Tablets: 100 mg sapropterin dihydrochloride. (3)
-CONTRAINDICATIONS.
- Hypersensitivity reactions including anaphylaxis: Sapropterin dihydrochloride tablets are not recommended in patients with a history of anaphylaxis to sapropterin dihydrochloride tablets

---WARNINGS AND PRECAUTIONS---

FULL PRESCRIBING INFORMATION: CONTENTS* INDICATIONS AND USAGE

- DOSAGE AND ADMINISTRATION
- 2.1 Dosage 2.2 Preparation and Administration Instructions
- DOSAGE FORMS AND STRENGTHS CONTRAINDICATIONS
- WARNINGS AND PRECAUTIONS
- 5.2 Upper Gastrointestinal Mucosal Inflamation
- Monitoring Blood Phe Levels During Treatment 5.5 Lack of Biochemical Response to Sapropterin Dihydrochloride
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FULL PRESCRIBING INFORMATION

INDICATIONS AND USAGE Sapropterin dihydrochloride tablets are indicated to reduce blood phenylalanine (Phe) levels in adult and pediatric patients one month of age and older with hyperphenylalaninemia (HPA) due to tetrahydrobiopterin (BH4-) responsive Phenylketonuria (PKU). Sapropterin dihydrochloride tablets are to be used in conjunction

2 DOSAGE AND ADMINISTRATION

2.1 Dosage Treatment with sapropterin dihydrochloride tablets should be directed by physicians knowledgeable in the

All patients with PKU who are being treated with sapropterin dihydrochloride tablets should also be treated with a Phe-restricted diet, including dietary protein and Phe restriction.

Starting Dosage Pediatric Patients 1 month to 6 years: The recommended starting dose of sapropterin dihydrochloride

tablets is 10 mg/kg taken once daily. Patients 7 years and older: The recommended starting dose of sapropterin dihydrochloride tablets is 10 to

Dosage Adjustment (Evaluation Period)

Existing dietary protein and Phe intake should not be modified during the evaluation period. If a 10 mg/kg per day starting dose is used, then response to therapy is determined by change in blood Phe month. Blood Phe levels should be checked after 1 week of sapropterin dihydrochloride treatment and periodically for up to a month. If blood Phe does not decrease from baseline at 10 mg/kg per day, the dose

may be increased to 20 mg/kg per day. Patients whose blood Phe does not decrease after 1 month of treatment at 20 mg/kg per day do not show a biochemical response and treatment with sapropterin dihydrochloride tablets should be discontinued in these patients. If a 20 mg/kg per day starting dose is used, then response to therapy is determined by change in blood Phe following treatment with sapropterin dihydrochloride tablets at 20 mg/kg per day for a period of 1 month. Blood Phe levels should be checked after 1 week of sapropterin dihydrochloride treatment and periodically during the first month. Treatment should be discontinued in patients who do not show a biochemical

response (blood Phe does not decrease) after 1 month of treatment at 20 mg/kg per day [see Warnings and

Precautions (5.4)]. Once responsiveness to sapropterin dihydrochloride tablets has been established, the dosage may be adjusted within the range of 5 to 20 mg/kg per day according to biochemical response to therapy (blood Phe) nded to assess blood Phe control, especially in pediatric patients Periodic blood Phe monitoring is reco

[see Warnings and Precautions (5.3)]. 2.2 Preparation and Administration Instructions Take sapropterin dihydrochloride tablets orally with a meal, preferably at the same time each day *Isee Clinical Pharmacology* (12.3)]. A missed dose should be taken as soon as possible, but two doses should

not be taken on the same day. Sapropterin Dihydrochloride Tablets rin dihydrochloride tablets may be swallowed either as whole tablets or dissolved in 120 to 240 mL of water or apple juice and taken orally within 15 minutes of dissolution. It may take a few minutes for the tablets to dissolve. To make the tablets dissolve faster, tablets may be stirred or crushed. The tablets may not dissolve completely. Patients may see small pieces floating on top of the water or apple juice. This is normal and safe for patients to swallow. If after drinking the medicine patients still see pieces of the tablet in

Sapropterin dihydrochloride tablets may also be crushed and then mixed in a small amount of soft foods such as apple sauce or pudding. DOSAGE FORMS AND STRENGTHS Sapropterin dihydrochloride tablets are for oral use. Each tablet contains 100 mg of sapropterin

the container, more water or apple juice can be added to make sure all of the medicine is consumed

dihydrochloride. Tablets are off-white to light yellow mottled round, tablets debossed with "I 1" on one side

CONTRAINDICATIONS 5.1 Hypersensitivity Reactions Including Anaphylaxis

Sapropterin dihydrochloride is not recommended in patients with a history of anaphylaxis to sapropterin dihydrochloride. Hypersensitivity reactions, including anaphylaxis and rash, have occurred [see Adverse Reactions (6.2)]. Signs of anaphylaxis include wheezing, dyspnea, coughing, hypotension, flushing, nausea

Discontinue treatment with sapropterin dihydrochloride in patients who experience anaphylaxis and initiate

5.2 Upper Gastrointestinal Mucosal Inflammation

Gastrointestinal (GI) adverse reactions suggestive of upper GI mucosal inflammation have been reported Adverse Reactions (6.2). If left untreated, these could lead to severe sequelae including esophageal stricture, esophageal ulcer, gastric ulcer, and bleeding and such complications have been reported in patient receiving sapropterin dihydrochloride tablets. Monitor patients for signs and symptoms of upper GI mucosal

In clinical trials of sapropterin dihydrochloride tablets, some PKU patients experienced hypophenylalaninemia (low blood Phe) during treatment with sapropterin dihydrochloride tablets. In a clinical study of pediatric patients younger than 7 years old treated with sagropterin dihydrochionide tablests 20 mg/kg per day, the incidence of hypophenylalaninemia was higher than in clinical trials of older patients [see Adverse Reactions (6.1)].

5.4 Monitoring Blood Phe Levels During Treatment

tions of blood Phe levels in patients with PKU can result in severe neurologic damage including severe intellectual disability, developmental delay, microcephaly, delayed speech, seizures, and behavioral abnormalities. Conversely, prolonged levels of blood Phe that are too low have been associated vith catabolism and endogenous protein breakdown, which has been associated with adverse developmental outcomes. Active management of dietary Phe intake while taking sapropterin dihydrochloride tablets are required to ensure adequate Phe control and nutritional balance. Monitor blood Phe levels during pediatric population [see Dosage and Administration (2.1)].

5.5 Lack of Biochemical Response to Sapropterin Dihydrochloride

Some patients with PKU do not show biochemical response (reduction in blood Phe) with treatment with sapropterin dihydrochloride tablets. In two clinical trials at a sapropterin dihydrochloride tablets dose of 20 mg/kg per day, 56% to 75% of pediatric PKU patients showed a biochemical response to sapropterin dihydrochloride tablets, and in one clinical trial at a dose of 10 mg/kg per day, 20% of adult and pediatric PKU patients showed a biochemical response to sapropterin dihydrochloride tablets [see Clinical Studies (14]]. Biochemical response to sapropterin dihydrochloride tablets treatment cannot generally be pre-determined by laboratory testing (e.g., molecular testing), and should be determined through a therapeutic trial

(evaluation) of sapropterin dihydrochloride tablets response (see Dosage and Administration (2.1)). 5.6 Interaction with Levodopa

In a 10-year post-marketing safety surveillance program for a non-PKU indication using another saproptering product, 3 patients with underlying neurological disorders experienced seizures, exacerbation of seizures, over-stimulation, and irritability during co-administration of levodopa and sapropterin. Monitor patients who are receiving levodopa for changes in neurological status during treatment with sapropterin [see Drug Interactions (7)].

5.7 Hyperactivity In the sapropterin dihydrochloride post-marketing safety surveillance program, 2 patients with PKU

experienced hyperactivity when treated with sapropterin dihydrochloride [see Adverse Reactions (6.2)].

6 ADVERSE REACTIONS 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to the rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

PKU Clinical Studies The safety of sapropterin dihydrochloride was evaluated in 7 clinical studies in patients with PKU (aged 1 month to 50 years) (see Clinical Studies (14)) In Studies 1-4 (controlled and uncontrolled studies), 579 patients with PKU aged 4 to 49 years received

sparopterin dihydrochloride in doses ranging from 5 to 20 mg/kg per day for lengths of treatment ranging from 1 to 164 weeks. The patient population was evenly distributed in gender, and approximately 95% of patients were Caucasian. The most common adverse reactions (≥4% of patients) were headache, rhinorrhea, pharyngolaryngeal pain, diarrhea, vomiting, cough, and nasal conge

The data described in Table 3 reflect exposure of 74 patients with PKU to sapropterin dihydrochloride at doses of 10 to 20 mg/kg per day for 6 to 10 weeks in two double-blind, placebo-controlled clinical trials (Studies 2 and 4).

Table 3 enumerates adverse reactions occurring in at least 4% of patients treated with sapropterin dihydrochloride in the double-blind, placebo-controlled clinical trials described about

Table 3: Summary of Adverse Reactions Occurring in $\,\geq\!4\%$ of Patients in Placebo-Controlled Clinical Studies with Sapropterin Dihydrochloride

	Treatment		
MedDRA Preferred Term	Sapropterin Dihydrochloride (N=74)	Placebo (N=59)	
	No. Patients (%)	No. Patients (%)	
Headache	11 (15)	8 (14)	
Rhinorrhea	8 (11)	0	

	Treatment		
MedDRA Preferred Term	Sapropterin Dihydrochloride (N=74)	Placebo (N=59)	
	No. Patients (%)	No. Patients (%)	

3 (5)

4 (7)

6 (8) Cough 5 (7) 3 (5) 3 (4) Nasal conge In open-label, uncontrolled clinical trials (Studies 1 and 3) all patients received sapropterin dihydrochloride in doses of 5 to 20 mg/kg per day, and adverse reactions were similar in type and frequency to those reported in

6 (8)

the double-blind, placebo-controlled clinical trials [see Clinical Studies (14)]. In Study 5, 65 pediatric patients with PKU aged 1 month to 6 years received sapropterin dihydrochloride 20 mg/kg per day for 6 months. Adverse reactions in these patients were similar in frequency and type as zo nigris per uay nor o nominis. Auverse reactions in these patients were similar in requency and type as those seen in other saproptient dihydrochloride clinical trials except for an increased incidence of low Phe levels. Twenty-five percent (16 out of 65) of patients developed Phe levels below normal for age *[see*

Warnings and Precautions (5.3), Pediatric Use (8.4), and Clinical Studies (14)), In Study 6, a long term, open-label, extension study of 111 patients aged 4 to 50 years, receiving sapropterin in Study 6, a long termit, open-rader, scension study of it is patients aged 4 to 30 years, receiving sopiopterm dihydrochloride in doses ranging from 5 to 20 mg/kg per day, adverse reactions were similar in type and frequency to those reported in the previous clinical studies. Fifty-five patients received sapropterin

sapropterin for the entire study population was 659 ± 221 days (maximum 953 days). In Study 7, 27 pediatric patients with PKU aged 0 to 4 years received sapropterin dihydrochloride 10 mg/kg $\,$ per day or 20 mg/kg per day. Adverse reactions were similar in type and frequency to those observed in ot

dihydrochloride both as dissolved and intact tablets. There were no notable differences in the incidence or

inical trials, with the addition of rhinitis, which was reported in 2 subjects (7.4%) Safety Experience from Clinical Studies for Non-PKU Indications

Approximately 800 healthy subjects and patients with disorders other than PKU, some of whom had underlying neurologic disorders or cardiovascular disease, have been administered a different formulation of the same active ingredient (sapropterin) in approximately 19 controlled and uncontrolled clinical trials. In these clinical trials, subjects were administered sapropterin at doses ranging from 1 to 100 mg/kg per day for the second secon lengths of exposure from 1 day to 2 years. Serious and severe adverse reactions (regardless of causality) during sapropterin administration were seizures, exacerbation of seizures (see Warnings and Precautions (5.3), dizziness, gastrointestinal bleeding, post-procedural bleeding, headache, irritability, myocardia infarction, overstimulation, and respiratory failure. Common adverse reactions were headache, peripheral edema, arthralgia, polyuria, agitation, dizziness, nausea, pharyngitis, abdominal pain, upper abdominal pain and upper respiratory tract infection

6.2 Postmarketing Experience

The following adverse reactions have been reported during post-approval use of sapropterin dihydrochloride Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure. $\textit{Hypersensitivity reactions including an aphylax is and rash:} \ Most \ hypersensitivity \ reactions \ occurred \ within \ an aphylax is \ and \ rash:$

several days of initiating treatment (see Warnings and Precautions (5.1)). Gastrointestinal reactions: esophagitis, gastritis, oropharyngeal pain, pharyngitis, esophageal pain, abdominal pain, dyspepsia, nausea, and vomiting (see Warnings and Precautions (5.2))

Hyperactivity: Two cases have been reported. In one case, the patient received an accidental overdosage of sapropterin dihydrochloride tablets [see Warnings and Precautions (5.6), Overdosage (10)]. 7 DRUG INTERACTIONS

Table 4 includes drugs with clinically important drug interactions when administered with sapropterin dihydrochloride and instructions for preventing or managing them Table 4: Clinically Relevant Drug Interactions

Clinical Impact	Sapropterin dihydrochloride may increase the availability of tyrosine, a precursor of levodopa. Neurologic events were reported post-marketing in patients receiving sapropterin and levodopa concomitantly for a non-PKU indication <i>[see Warnings and Precautions (5.5)]</i>
Intervention	Monitor patients for a change in neurologic status.
Inhibitors of Folate Synthesis (e.g., met	thotrexate, valproic acid, phenobarbital, trimethoprim)
Clinical Impact	In vitro and in vivo nonclinical data suggest that drugs that inhibit folate synthesis may decrease the bioavailability of endogenous BH4 by inhibiting the enzyme dihydrofolate reductase, which is involved in the recycling (regeneration) of BH4. This reduction in net BH4 levels may increase Phe levels.
intervention	Consider monitoring blood Phe levels more frequently during concomitant administration. An increased dosage of sapropterin dihydrochloride tablets may be necessary to achieve a biochemical response.
Drugs Affecting Nitric Oxide-Mediated vardenafil, or tadalafil)	Vasorelaxation (e.g., PDE-5 inhibitors such as sildenafil,
Clinical Impact	Both sapropterin dihydrochloride and PDE-5 inhibitors may induce vasorelaxation. A reduction in blood pressure could occur however the combined use of these

Clinical Impact	In vitro and in vivo nonclinical data suggest that drugs that inhibit folate synthesis may decrease the bioavailability of endogenous BH4 by inhibiting the enzyme dihydrofolate reductase, which is involved in the recycling (regeneration) of BH4. This reduction in net BH4 levels may increase Phe levels.
Intervention	Consider monitoring blood Phe levels more frequently during concomitant administration. An increased dosage of sapropterin dihydrochloride tablets may be necessary to achieve a biochemical response.
Drugs Affecting Nitric Oxide-Mediated V vardenafil, or tadalafil)	asorelaxation (e.g., PDE-5 inhibitors such as sildenafil,
Clinical Impact	Both sapropterin dihydrochloride and PDE-5 inhibitors may induce vasorelaxation. A reduction in blood pressure could occur; however, the combined use of these medications has not been evaluated in humans.
Intervention	Monitor blood pressure

		Intervention
8	В	USE IN SPECIFIC POPULATIONS

8.1	Pregnancy
Risk	Summary .
Avail	able pregnanc

ncy registry data have not reported an association with sapropterin dihydrochloride and maior birth defects, miscarriage, or adverse maternal or fetal outcomes when sapropterin dihydrochloride was used during pregnancy (see Data). An embryo-fetal development study with sapropterin dihydrochloride in rats using oral doses up to 3 times

the maximum recommended human dose (MRHD) given during the period of organogenesis showed no effects. In a rabbit study using oral administration of sapropterin dihydrochloride during the period of organogenesis, a rare defect, holoprosencephaly, was noted at 10 times the MRHD. All pregnancies have a background risk of major birth defects, pregnancy loss, or other adverse pregnancy

outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively. The estimated background risk of major birth defects and miscarriage in pregnant women with PKU who maintain blood phenylalanine concentrations greater than 600 micromol/L during pregnancy is greater than the corresponding background risk for pregnant women without PKU. Clinical Considerations

 $\label{lem:controlled} \mbox{Uncontrolled blood phenylalanine concentrations before and during pregnancy are associated with an \mbox{}$ increased risk of adverse pregnancy outcomes and fetal adverse effects. To reduce the risk of hyperphenylalaninemia-induced fetal adverse effects, blood phenylalanine concentrations should be ained between 120 and 360 micromol/L during pregnancy and during the 3 months before conception [see Dosage and Administration 2.1)].

Data Human Data Uncontrolled Maternal PKU

Available data from the Maternal Phenylketonuria Collaborative Study on 468 pregnancies and 331 live births in PKU-affected women demonstrated that uncontrolled Phe levels above 600 micromol/L are associated with a very high incidence of neurological, cardiac, facial dysmorphism, and growth anomalies Control of blood phenylalanine during pregnancy is essential to reduce the incidence of Phe-induced teratogenic effects.

Pregnancy Registry Data

Data from 62 live births reported 3 abnormalities at birth (one case each of microcephaly, cleft palate, and tongue tie). These outcomes were associated with Phe levels greater than 360 micromol/L during pregnancy. Animal Data

to 400 mg/kg per day sapropterin dihydrochloride (about 3 times the MRHD of 20 mg/kg per day, based on body surface area) administered during the period of organogenesis. However, in a rabbit re oral administration of a maximum dose of 600 mg/kg per day (about 10 times the MRHD, based on body surface area) during the period of organogenesis was associated with a non-statistically significant increase encephaly in two high dose-treated litters (4 fetuses), compared to one control treated litter (1 fetus).

8.2 Lactation Risk Summary

There are insufficient data to assess the presence of sapropterin in human milk and no data on the effects on milk production. In postmarketing pregnancy registries, a total of 16 women from both registries were identified as breastfeeding for a mean of 3.5 months. No lactation-related safety concerns were reported in infants of mothers nursing during maternal treatment with sapropterin dihydrochloride. Sapropterin is present in the milk of lactating rats following intravenous administration, but not following oral administration.

The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for sapropterin dihydrochloride and any potential adverse effects on the breastfed child from

PATIENT INFORMATION Sapropterin Dihydrochloride Tablets (sap-roe-TER-in dye-HYE-droe-KLOR-ide)

What are sapropterin dihydrochloride tablets?

Sapropterin dihydrochloride tablets are a prescription medicine used to lower blood levels of phenylalanine (Phe), in adults and children one month of age and older with a certain type of Phenylketonuria (PKU). Sapropterin dihydrochloride tablets are used along with a Phe-restricted diet.

What should I tell my doctor before taking sapropterin dihydrochloride tablets?

Before you take sapropterin dihydrochloride tablets, tell your doctor about all your medical conditions, including if you:

- · are allergic to sapropterin dihydrochloride or any of the ingredients in sapropterin dihydrochloride
- tablets. See the list of ingredients in sapropterin dihydrochloride tablets at the end of this leaflet.
- have poor nutrition or have loss of appetite. are pregnant or plan to become pregnant.
- · are breast feeding or plan to breastfeed. It is not known if sapropterin dihydrochloride passes into your breast milk. Talk to your doctor about the best way to feed your baby if you take sapropterin dihydrochloride tablets.

Tell your doctor about all the medicines you take, including prescription and over-the-counter medicines, vitamins, herbal, and dietary supplements. Sapropterin dihydrochloride tablets and other medicines may interact with each other.

Especially tell your doctor if you take:

- a medicine that contains levodopa
- an antifolate medicine
- sildenafil (Revatio, Viagra), tadalafil (Adcirca, Cialis), vardenafil (Staxyn, Levitra)

Tell your doctor if you are not sure if your medicine is one that is listed above.

Know the medicines you take. Keep a list of them to show your doctor and pharmacist when you get a new medicine.

How should I take sapropterin dihydrochloride tablets?

- Take sapropterin dihydrochloride tablets exactly as your doctor tells you. Your doctor should tell you
- how much sapropterin dihydrochloride tablets to take and when to take it. • Your doctor may change your dose of sapropterin dihydrochloride tablets depending on how you respond
- Take sapropterin dihydrochloride tablets 1 time each day with a meal. It is best to take sapropterin
- dihydrochloride tablets at the same time each day.
- Sapropterin dihydrochloride comes as a tablets. o You can swallow sapropterin dihydrochloride tablets whole or dissolve the tablets in water or apple juice. You may also crush the tablets and mix in a small amount of soft food, such
 - as apple sauce or pudding before taking. See the detailed "Instructions for Use" that comes with sapropterin dihydrochloride tablets for information about the correct way to dissolve and take a dose of sapropterin dihydrochloride
 - It is not possible to know if sapropterin dihydrochloride tablets will work for you until you start taking sapropterin dihydrochloride tablets. Your doctor will check your blood Phe levels when you start taking sapropterin dihydrochloride tablets to see if the medicine is working.
 - During treatment with sapropterin dihydrochloride tablets:
 - o Any change you make to your diet may affect your blood Phe level. Follow your doctor's instructions carefully and do not make any changes to your dietary Phe intake without first talking with your doctor. Even if you take sapropterin dihydrochloride tablets, if your Phe blood
 - levels are not well controlled, you can develop severe neurologic problems. o Your doctor should continue to monitor your blood Phe levels often during your treatment with sanronterin dihydrochloride tablets to make sure that your blood Phe levels are not too high or too low.
 - o If you have a fever, or if you are sick, your blood Phe level may go up. Tell your doctor as soon as possible so they can change your dose of sapropterin dihydrochloride tablets to help keep your blood Phe levels in the desired range.
- If you forget to take your dose of sapropterin dihydrochloride tablets, take it as soon as you remember that day. Do not take 2 doses in a day.

If you take too much sapropterin dihydrochloride tablets, call your doctor for advice. What are the possible side effects of sapropterin dihydrochloride tablets?

- Sapropterin dihydrochloride tablets can cause serious side effects, including:
- Severe allergic reactions. Stop taking sapropterin dihydrochloride tablets and get medical help right away if you develop any of these symptoms of a severe allergic reaction: wheezing or trouble breathing
 flushing
 - feeling lightheaded or you faint
 rash

nausea

- Inflammation of the lining of the stomach (gastritis) or esophagus (esophagitis). Gastritis or esophagitis can happen with sapropterin dihydrochloride tablets and may be severe. Call your
 - doctor right away if you have any of these signs or symptoms: • severe upper stomach-area (abdominal) discomfort or pain, nausea and vomiting
 - blood in your vomit or stool
- black, tarry stools difficulty swallowing
- loss of appetite pain in the throat

coughing

- Phe levels that are too low. Some children under the age of 7 years who take high doses of sapropterin dihydrochloride tablets each day may experience low Phe levels.
- Too much or constant activity (hyperactivity) can happen with sapropterin dihydrochloride
 - tablets. Tell your doctor if you have any signs of hyperactivity, including: fidgeting or moving around too much
 - talking too much
- The most common side effects of sapropterin dihydrochloride tablets are: headache
- runny nose and nasal congestion sore throat
- diarrhea vomiting

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of sapropterin dihydrochloride tablets. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side

effects to FDA at 1-800-FDA-1088. How should I store sapropterin dihydrochloride tablets?

- Store sapropterin dihydrochloride tablets at room temperature between 68°F to 77°F (20°C to 25°C).
- Keep sapropterin dihydrochloride tablets in the original bottle with the cap closed tightly.

Protect from moisture. Keep sapropterin dihydrochloride tablets and all medicines out of the reach of children.

General information about the safe and effective use of sapropterin dihydrochloride tablets.

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use sapropterin dihydrochloride tablets for a condition for which it was not prescribed. Do not give sapropterin dihydrochloride tablets to other people, even if they have the same symptoms you have. It may harm them. You can ask your pharmacist or doctor for information about sapropterin dihydrochloride tablets that is written for health professionals.

What are the ingredients in sapropterin dihydrochloride tablets?

Active ingredient: sapropterin dihydrochloride. Inactive ingredients: ascorbic acid, colloidal silicon dioxide, crospovidone, mannitol, riboflavin and sodium stearyl fumarate.

CAMBER

Manufactured for: Camber Pharmaceuticals, Inc.

Piscataway, NJ 08854 By: Annora Pharma Pvt. Ltd.

Sangareddy - 502313, Telangana, India. For more information, call Annora Pharma Private Limited at 1-866-495-1995.

This Patient Information has been approved by the U.S. Food and Drug Administration

Revised: 09/2022

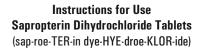
Size: 300 x 600 mm

Pharma Code: Front-187 & Back-188

Spec.: Printed on 40 GSM Bible paper, front & back side printing

Note: Pharma code position and Orientation are tentative, will be changed based on folding size.

No of Colours: 01 - Pantone Black C



Read this Instructions for Use before you start taking sapropterin dihydrochloride tablets and each time you refill your prescription. There may be new information. This information does not take the place of talking with your healthcare provider about your treatment. Talk to your doctor if you have any questions about the right dose of sapropterin dihydrochloride tablets to take or how to mix it. Important information:

- Sapropterin dihydrochloride comes as a tablet.
- Take sapropterin dihydrochloride tablets exactly as your doctor tells you. Your doctor should tell you how much sapropterin dihydrochloride to take and when to take it.
- Your doctor may change your dose of sapropterin dihydrochloride tablets depending on how you
- Take sapropterin dihydrochloride tablets 1 time each day with a meal. It is best to take sapropterin dihydrochloride tablets at the same time each day.

Instructions for taking sapropterin dihydrochloride tablets:

Sapropterin dihydrochloride tablets can be swallowed whole or dissolved in water or apple juice. You may also crush the tablets and mix in a small amount of soft food, such as apple sauce or pudding. To dissolve sapropterin dihydrochloride tablets:

- Mix sapropterin dihydrochloride tablets in 4 ounces to 8 ounces (½ cup to 1 cup) of water or apple juice. It may take a few minutes for the tablets to dissolve. To make the tablets dissolve faster, you can stir or
- The tablets may not dissolve completely. You may see small pieces floating on top of the water or apple
- juice. This is normal and safe for you to swallow.
- After drinking your medicine, if you still see small pieces of the tablet, add more water or apple juice and drink to make sure that you take all of your medicine.

How should I store sapropterin dihydrochloride tablets?

- Store sapropterin dihydrochloride tablets at room temperature between 68°F to 77°F (20°C to 25°C).
- Keep sapropterin dihydrochloride tablets in the original bottle with the cap closed tightly. Protect from moisture.

Keep sapropterin dihydrochloride tablets and all medicines out of the reach of children.

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

CAMBER

Manufactured for: Camber Pharmaceuticals, Inc.

Piscataway, NJ 08854

By: Annora Pharma Pvt. Ltd. Sangareddy - 502313, Telangana, India.

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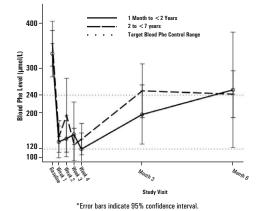
8.4 Pediatric Use

Pediatric patients with PKU, ages 1 month to 16 years, have been treated with sapropterin dihydrochloride in clinical trials /see Clinical Studies (14)].

The efficacy and safety of sapropterin dihydrochloride have not been established in neonates. The safety of ide has been established in children younger than 4 years in trials of 6 months duration and in children 4 years and older in trials of up to 3 years in length /see Adverse Reactions (6.1). In children aged 1 month and older, the efficacy of sapropterin dihydrochloride has been demonstrated in trials of 6 weeks or less in duration /see Clinical Studies (14)].

In a multicenter, open-label, single arm study, 57 patients aged 1 month to 6 years who were defined as sapropterin dihydrochloride responders after 4 weeks of sapropterin dihydrochloride treatment and Phe dietary restriction were treated for 6 months with sapropterin dihydrochloride at 20 mg/kg per day. The effectiveness of sapropterin dihydrochloride alone on reduction of blood Phe levels beyond 4 weeks could not be determined due to concurrent changes in dietary Phe intake during the study. Mean (\pm SD) blood Phe values over time for patients aged 1 month to < 2 years and 2 to < 7 years are shown in Figure 1.

Figure 1: Mean Blood Phe Level Over Time by Age (years) (N=57)



8.5 Geriatric Use Clinical studies of sapropterin dihydrochloride in patients with PKU did not include patients aged 65 years

Two unintentional overdosages with sapropterin dihydrochloride have been reported. One adult patient in a sapropterin dihydrochloride clinical trial received a single sapropterin dihydrochloride dose of 4,500 mg (36 mg/kg) instead of 2,600 mg (20 mg/kg). The patient reported mild headache and mild dizziness immediately after taking the dose; both symptoms resolved within 1 hour with no treatment intervention. There were no associated laboratory test abnormalities. The patient suspended therapy for 24 hours and then restarted sapropterin dihydrochloride with no reports of abnormal signs or symptoms. In postmarketing one pediatric patient received sapropterin dihydrochloride doses of $45\,\mathrm{mg/kg}$ per day instead of $20\,\mathrm{mg/kg}$ per day instead day. The patient reported hyperactivity that began at an unspecified time after overdosage and resolved after the sapropterin dihydrochloride dose was reduced to 20 mg/kg per day.

In a clinical study to evaluate the effects of sapropterin dihydrochloride on cardiac repolarization, a single supra-therapeutic dose of 100 mg/kg (5 times the maximum recommended dose) was administered to 54 healthy adults. No serious adverse reactions were reported during the study. The only adverse reactions reported in more than 1 subject who received the supra-therapeutic dose were upper abdominal pain (6%) and dizziness (4%). A dose-dependent shortening of the QT interval was observed [see Clinical Phane

Patients should be advised to notify their physicians in cases of overdosage

11 DESCRIPTION

Sapropterin dihydrochloride tablets is an orally administered Phenvlalanine Hydroxylase activator for PAH activator). Sapropterin dihydrochloride, the active pharmaceutical ingredient in sapropterin dihydrochloride tablet, is a synthetic preparation of the dihydrochloride salt of naturally occurring tetrahydrobiopterin (BH4). Sapropterin dihydrochloride is a white to pale yellow color powder

The chemical name of sapropterin dihydrochloride is (6R)-2-amino-6-[(1R,2S)-1,2dihydroxypropyl]-5,6,7,8-The chemical name of spripplent uniquotamous is (0,1/2) announced in (1,1/2). The chemical rate of the prediction of (1,1/2) announced in (1,1/2) and (1,1/2) a

Sapropterin dihydrochloride is supplied as tablets containing 100 mg of sapropterin dihydrochloride (equivalent 10 76.8 mg of sapropterin base).

Tablets are off-white to light yellow mottled round, tablets debossed with "I 1". Each tablet contains the following inactive ingredients: ascorbic acid, colloidal silicon dioxide, crospovidone, mannitol, riboflavin and

sodium stearyl fumarate 12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Sapropterin dihydrochloride is a synthetic form of BH4, the cofactor for the enzyme phenvlalanine hydroxylase (PAH). PAH hydroxylates Phe through an oxidative reaction to form tyrosine. In patients with PKU, PAH activity is absent or deficient. Treatment with BH4 can activate residual PAH enzyme activity, mprove the normal oxidative metabolism of Phe, and decrease Phe levels in some patients.

12.2 Pharmacodynamics

In PKU patients who are responsive to BH4 treatment, blood Phe levels decrease within 24 hours after a single administration of sapropterin dihydrochloride, although maximal effect on Phe level may take up to a month, depending on the patient. A single daily dose of sapropterin dihydrochloride is adequate to m stable blood Phe levels over a 24-hour period. Twelve patients with blood Phe levels ranging from 516 to 986 μ mol/L (mean 747 \pm 153 μ mol/L) were assessed with 24-hour blood Phe level monitoring following a daily morning dose of 10 mg/kg per day. The blood Phe level remained stable during a 24-hour observation period. No substantial increases in blood Phe levels were observed following food intake throughout the 24-

Sapropterin dihydrochloride dose-response relationship was studied in an open-label, forced titration study at doses of 5 mg/kg per day, then 20 mg/kg per day, and then 10 mg/kg per day (Study 3) /see Clinical Studies (14.1)]. Individual blood Phe levels were highly variable among patients. The mean blood Phe level observed at the end of each 2-week dosing period decreased as the dose of sapropterin dihydrochloride increased, demonstrating an inverse relationship between the dose of sapropterin dihydrochloride and mean blood Phe

A thorough QTc study was performed in 56 healthy adults. This randomized, placebo and active controlled A convoger at a sury was per normer in 30 nearly against in 30 nearly ag cardiac repolarization. In this study, sapropterin dihydrochloride was administered after dissolving tablets in cardiac reporalization. In this study, seproplemi unity or conforce was administered after dissipating tablets in water under fed condition. This study demonstrated a dose-dependent shortening of the QT interval. The maximum placebo-subtracted mean change from baseline of the QTc interval was -3.69 and -8.32 ms (lower bound of 90% CI: -5.3 and -10.6 ms) at 20 and 100 mg/kg, respectively

12.3 Pharmacokinetics

Studies in healthy subjects have shown comparable absorption of sapropterin when tablets are dissolved in water or orange juice and taken under fasted conditions. Administration of dissolved tablets after a highfathigh-calorie meal resulted in mean increases in $C_{\rm inc}$ of 84% and AUC of 87% (dissolved in water). However, there was extensive variability in individual subject values for $C_{\rm inc}$ and AUC across the different modes of administration and meal conditions. In the clinical trials of sapropterin dihydrochloride, drug was dministered in the morning as a dissolved tablet without regard to meals. The mean elimination half-life in PKU patients was approximately 6.7 hours (range 3.9 to 17 hours), comparable with values seen in healthy subjects (range 3.0 to 5.5 hours).

A study in healthy adults with 10 mg/kg of sapropterin dihydrochloride demonstrated that the absorption via intact tablet administration was 40% greater than via dissolved tablet administration under fasted conditions based on $AUC_{\rm B}$. The administration of intact tablets under fed conditions resulted in an approximately 43% increase in the extent of absorption compared to fasted conditions based on AUC_{n.} /see $Population\ pharmacokinetic\ analysis\ of\ sapropterin\ including\ patients\ from\ 1\ month\ to\ 49\ years\ of\ age$

showed that body weight is the only covariate substantially affecting clearance or distribution volume (see Table 5). Pharmacokinetics in patients > 49 years of age have not been studied.

Parameter	0 to < 1 yr*	1 to < 6 yr*	6 to < 12 yr†	12 to < 18 yr†	≥ 18 yr†
	(N = 10)	(N = 57)	(N=23)	(N = 24)	(N = 42)
CL/F (L/hr/kg) Mean ± SD (Median)	81.5 ± 92.4 (53.6)	50.7 ± 20.1 (48.4)	51.7 ± 21.9 (47.4)	39.2 ± 9.3 (38.3)	37.9 ± 20.2 (31.8)

Evaluated at 20 mg/kg per day dose Evaluated at 5, 10, or 20 mg/kg per day doses

Sa propter in is a synthetic form of tetrahydrobiopter in (BH4) and is expected to be metabolized and recycled and recycby the same endogenous enzymes. In vivo endogenous BH4 is converted to quinoid dihydrobiopterin and is metabolized to dihydrobiopterin and biopterin. The enzymes dihydrofolate reductase and dihydropteridine

In healthy subjects, administration of a single dose of sapropterin dihydrochloride at the maximum therapeutic dose of 20 mg/kg had no effect on the pharmacokinetics of a single dose of digoxin (P-gp

In Vitro Studies Where Drug Interaction Potential Was Not Further Evaluated Clinically The potential for sapropterin to induce or inhibit cytochrome P450 enzymes was evaluated in in vitro studies

which showed sapropterin did not inhibit CYP 1A2, 2B6, 2C8, 2C9, 2C19, 2D6, or 3A4/5, nor induce CYF 1A2, 2B6, or 3A4/5. $\textit{In vitro} \, \text{sapropterin did not inhibit OAT1, OAT3, OCT2, MATE1, and MATE2-K} \, \text{transporters.} \, \text{The potential for material for the potential for material for mater$

sapropterin to inhibit OATP1B1 and OATP1B3 has not been adequately studied. In vitro, sapropterin inhibits breast cancer resistance protein (BCRP) but the potential for a clinically significant increase in systemic exposure of BCRP substrates by sapropterin dihydrochloride appears to be low.

13 NONCLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

its duration of 78 instead of 104 weeks.

A 2-year carcinogenicity study was conducted in F-344 rats, and a 78-week carcinogenicity study was A 2-year carcinogenicity study was conducted in 1-944 lats, and a 2-9-week carcinogenicity study was conducted in 10-21 mice. In the 104-week oral carcinogenicity study in rats, sapropterior highlydrochloride doses of 25, 80, and 250 mg/kg per day (0.2, 0.7, and 2 times the maximum recommended human dose of 20 mg/kg per day, respectively, based on body surface area) were used. In the 78-week oral carcinogenicity study in mice, sapropterin dihydrochloride doses of 25, 80, and 250 mg/kg per day (0.1, 0.3, and 2 times the recommended human dose, respectively, based on body surface area) were used. In the 2-year rat recommended indiminal uses, respectively, used in body saliced area were used. In the 2-year late carcinogenicity study, there was a statistically significant increase in the incidence of benign adrenal pheochromocytoma in male rats treated with the 250 mg/kg per day (about 2 times the maximum recommended human dose, based on body surface area) dose, as compared to vehicle treated rats. The mouse carcinogenicity study showed no evidence of a carcinogenic effect, but the study was not ideal due

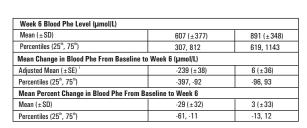
Sapropterin dihydrochloride was genotoxic in the in vitro Ames test at concentrations of 625 mcg (TA98) and 5000 mcg (TA100) per plate, without metabolic activation. However, no genotoxicity was observed in the *in vitro* Ames test with metabolic activation. Sapropterin dihydrochloride was genotoxic in the *in vitro* chromosomal aberration assay in Chinese hamster lung cells at concentrations of 0.25 and 0.5 mM. Sapropterin dihydrochloride was not mutagenic in the *in vivo* micronucleus assay in mice at doses up to 2000 mg/kg per day (about 8 times the maximum recommended human dose of 20 mg/kg per day, based on body surface area). Sapropterin dihydrochloride, at oral doses up to 400 mg/kg per day (about 3 times the nded human dose, based on body surface area) was found to have no effect on fertility and reproductive function of male and female rats.

14 CLINICAL STUDIES The efficacy of sanronterin dihydrochloride was evaluated in five clinical studies in natients with PKII

Study 1 was a multicenter, or spen-label, uncontrolled clinical trial of 489 patients with PKU, ages 8 to 48 years (mean 22 years), who had baseline blood Phe levels \geq 450 μ mol/L and who were not on Phe-restricted Veals the large very limited as the large very large v Study 2 was a multicenter, double-blind, placebo-controlled study of 88 patients with PKU who responded to sapropterin dihydrochloride in Study 1. After a washout period from Study 1, patients were randomized equally to either sapropterin dihydrochloride 10 mg/kg per day (N=41) or placebo (N=47) for 6 weeks. Efficacy was assessed by the mean change in blood Phe level from baseline to Week 6 in the sapropter

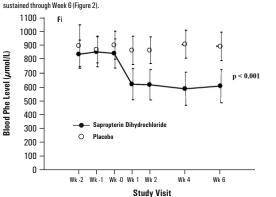
dihydrochloride-treated group as compared to the mean change in the placebo group. The results showed that at baseline, the mean (±SD) blood Phe level was 843 (±300) µmol/L in the sapropterin dihydrochloride-treated group and 888 (± 323) μ mol/L in the placebo group. At Week 6, the sapropterin dihydrochloride treated group had a mean (±SD) blood Phe level of 607 (±377)µmol/L, and the placebo group had a mean blood Phe level of 391 (\pm 348) µmol/L. At Week 6, the sapropter in dihydrochloride and placebo treated groups had mean changes in blood Phe level of -239 and 6 µmol/L, respectively (mean percent changes of -29% (\pm 32) and 3% (\pm 33), respectively). The difference between the groups was

Table 6: Blood Phe Results in Study 2			
	Sapropterin (N=41)	Placebo (N=47)	
Baseline Blood Phe Level* (µmol/L)			
Mean (±SD)	843 (±300)	888 (±323)	
Percentiles (25 th , 75 th)	620, 990	618, 1141	
		-	



The mean baseline levels shown in this table represent the mean of 3 pretre Wk O). Treatment with sapropterin dihydrochloride or placebo started at Wk O. *p-value < 0.001, adjusted mean and standard error from an ANCOVA model with change in blood Phe level

Change in blood Phe was noted in the sapropterin dihydrochloride-treated group at Week 1 and was



Error bars indicate 95% confidence interval.

Study 3 was a multicenter, open-label, extension study in which 80 patients who responded to saproptering rochloride treatment in Study 1 and completed Study 2 underwent 6 weeks of forced dose-titration with 3 different doses of sapropterin dihydrochloride. Treatments consisted of 3 consecutive 2-week an interest was of supportern inhydrochloride at doses of 5, then 20, and then 10 mg/kg per day. Blood Phe level was monitored after 2 weeks of treatment at each dose level. At baseline, mean $(\pm SD)$ blood Phe was 844 (±398) µmol/L. At the end of treatment with 5, 10, and 20 mg/kg per day, mean (±SD) blood Phe levels were $744\,(\pm\,384)\,\mu\text{mol/L}$, $640\,(\pm\,382)\,\mu\text{mol/L}$, and $581\,(\pm\,399)\,\mu\text{mol/L}$

Sapropterin Dihydrochloride Dose Level (mg/kg per day)	Blood Phe Besults	From Forced Dose Titration in Mean ± SD Blood Phe Level (µmol/L)	Shedn Ehanges (±SD) in Blood Phe Level From Week 0 (µmol/L)
Baseline (No Treatment)	80	844 (±398)	-
5	80	744 (±384)	-100 (±295)
10	80	640 (±382)	-204 (±303)
20	80	581 (±399)	-263 (±318)

Study 4 was a multicenter study of 90 pediatric patients with PKU, ages 4 to 12 years, who were on Pherestricted diets and who had blood Phe levels \leq 480 μ mol/L at screening. All patients were treated with open-label sapropterin dihydrochloride 20 mg/kg per day for 8 days. Response to sapropterin dihydrochloride was defined as a $\geq 30\%$ decrease in blood Phe from baseline at Day 8. At Day 8, 50 patients (56%) had a

Study 5 was an open label, single arm, multicenter trial in 93 pediatric patients with PKU, aged 1 month to 6 $\,$ years, who had Phe levels greater than or equal to 360 µmol/L at screening. All patients were treated with sapropterin dihydrochloride at 20 mg/kg per day and maintained on a Phe-restricted diet. At Week 4, 57 patients (61%) were identified as responders (defined as \geq 30% decreased in blood Phe from baseline) (see Figure 1 section 8.4).

16 HOW SUPPLIED/STORAGE AND HANDLING Sapropterin Dihydrochloride Tablets

100 mg sapropterin dihydrochloride, are off-white to light yellow mottled round, tablets debossed with "I 1" on one side and plain on other side. The tablets are supplied as follows: Bottle of 120 tablets NDC 31722-045-12

Store sapropterin dihydrochloride tablets at 20°C to 25°C (68°F to 77°F); excursions allowed between 15°C

to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Keep container tightly closed. Protect from 17 PATIENT COUNSELING INFORMATION

Advise the patient or caregiver to read the FDA-approved patient labeling (Patient Information and

Hypersensitivity Reactions Including Anaphylaxis

Advise patients and caregivers to discontinue sapropterin dihydrochloride tablets and contact the patient's healthcare provider immediately if they experience symptoms of anaphylaxis, including (but not limited to)

wheezing, dyspnea, coughing, hypotension, flushing, nausea, and rash. Continue nutritional manage including dietary protein and Phe restriction/see Warnings and Precautions (5.1). Upper Gastrointestinal Mucosal Inflammation Advise patients and caregivers to contact their healthcare provider if the patient experiences signs and

symptoms suggestive of upper GI mucosal inflammation, including nausea, vomiting, dysphagia, dysp loss of appetite; oropharyngeal, esophageal, or upper abdominal pain/see Warnings and Precautions (5.3)]. Hypophenylalaninemia/see Warnings and Precautions (5.3)/

Advise patients and caregivers that sapropterin dihydrochloride tablets may cause hypophe (low blood Phe levels), especially in pediatric patients younger than 7 years of age Monitoring of Blood Phe Levels/see Warnings and Precautions (5.4)/

 $Advise\ patients\ and\ caregivers\ that\ frequent\ blood\ Phe\ monitoring\ is\ important\ to\ ensure\ blood\ Phe\ levels\ are$ in the desirable range and that they should maintain dietary protein and Phe restriction while on sapropterin Prolonged hyperphenylalaninemia (high blood Phe levels) in patients with PKU can result in severe neurologic

damage, including intellectual disability, developmental delay, microcephaly, delayed speech, seizures, and

Lack of Biochemical Response to Sapropterin Dihydrochloride Tablets Some patients do not show a biochemical response (blood Phe reduction) when treated with sapropterin

dihydrochloride tablets. Advise patients and caregivers to discontinue treatment with sapropterin dihydrochloride tablets if the patient does not show an adequate biochemical response in blood Phe after one month of treatment with sapropterin dihydrochloride tablets 20 mg/kg per day /see Dosage and tration (2.1), Warnings and Precautions (5.4)]. Interaction with Levodopa

Advise patients and caregivers that patients with underlying neurological disorders taking sapropterin dihydrochloride tablets in combination with levodopa may experience seizures, exacerbation of seizu over-stimulation or irritability. Inform patients and caregivers to contact their healthcare provider if the patient has a change in neurologic status during treatment with sapropterin dihydrochloride tablets (see Warnings and Precautions (5.5)).

Advise patients and caregivers that sapropterin dihydrochloride tablets may cause hyperactivity and to

contact their healthcare provider if the patient experiences hyperactivity, restlessness, fidgeting, or excessive talking (see Warnings and Precautions (5.6)).

Dosing and Monitoring/see Dosage and Administration (2.1)/ Advise patients and caregivers of the following:

sapropterin dihydrochloride tablets should be used in conjunction with a PKU-specific diet, including dietary protein and Phe restriction.

Dietary protein and Phe intake should not be modified during the sapropterin dihydrochloride tablets revaluation period when assessing biochemical response.

The patient must be evaluated for changes in blood Phe after being treated with sapropterin

dihydrochloride tablets at the recommended dosels) for age to determine if they have a biochemical response and that blood Phe levels and dietary Phe intake should be assessed frequently during the first month of sapropterin dihydrochloride tablets treatment Monitoring of blood Phe levels is important during sapropterin dihydrochloride tablets treatment. <u>Preparation and Administration</u>[see Dosage and Administration (2.2)]

Advise patients and caregivers:

• Sapropterin dihydrochloride tablets can be swallowed whole, dissolved in water or apple juice, or crushed and mixed with a small amount of soft food such as apple sauce or pudding. Take sapropterin dihydrochloride tablets with a meal, preferably at the same time each day

CAMBER Manufactured for: Camber Pharmaceuticals, Inc

Piscataway, NJ 08854 By: Annora Pharma Pyt. Ltd. Sangareddy - 502313, Telangana, India.

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