www.corepharma.com



September 19, 2013

2013 SEP 20 A 9: 25 Division of Dockets Management Food and Drug Administration Department of Health and Human Services 5630 Fishers Lane, rm 1061 Rockville, MD 20852

Citizen Petition

The undersigned submits this petition under 21 CFR 10.25(a) and 21 CFR 10.30 to request the Commissioner of the Food and Drug Administration to determine whether a listed drug (Skelaxin[®] 400 mg, manufactured by King Pharmaceuticals, Inc. under NDA 013217), that has been discontinued, was not discontinued for safety or effectiveness reasons. In addition, the undersigned submits this application to request permission for approval of an abbreviated new drug application (ANDA) in the event that the listed drug was discontinued for reasons other than concerns with its safety and effectiveness.

A. Action Requested

The petitioner (CorePharma, LLC) requests that the Commissioner of the Food and Drug Administration determine whether Skelaxin[®] 400 mg, NDA 013217, manufactured by King Pharmaceuticals. Inc has been voluntarily withdrawn from sale for safety and efficacy reasons.

B. Statement of Grounds

The Food and Drug Administration's Orange Book

(http://www.accessdata.fda.gov/scripts/cder/ob/docs/tempno.cfm) updated through July 2013 lists Skelaxin[®] 400 mg (NDA 013217) as a discontinued drug. According to information received online at FDA's Drug Approval Databases website

(http://www.fda.gov/Drugs/InformationOnDrugs/ucm091535.htm) under Additions/Deletions for Prescription and OTC Drug Product Lists, this product was discontinued as of May 2005. Copies of online web pages are enclosed.

Under FDA Regulations, the Agency must make a determination as to whether a listed drug is withdrawn from sale for reasons of safety and effectiveness before an ANDA referencing the listed drug may be approved (21 CFR 314.161 (a)(1)).

CorePharma, LLC has no information or evidence concerning the reason that King Pharmaceuticals, Inc. discontinued marketing Skelaxin[®] 400 mg, but nonetheless contends that the reasons were unrelated to safety and effectiveness. Skelaxin® 800 mg remains listed in the Orange Book (http://www.accessdata.fda.gov/scripts/cder/ob/docs/tempno.cfm) as a Rx (Prescription Drug Product) under the same NDA 013217. In addition, as per the current labeling, Skelaxin® 800 mg is a scored tablet. This allows the tablet to be divided. This further supports our position that Skelaxin [®] 400 mg could not have been discontinued because of safety and efficacy. CorePharma, LLC petitions FDA to determine that King Pharmaceutical Inc.'s decision to discontinue Skelaxin® 400 mg was for reasons other than safety or effectiveness. A copy of the online web page and the current labeling of Skelaxin® 800 mg are enclosed.

Page 1 of 2



C. Environmental Impact

A claim for categorical exclusion of the requirement for submission of an environmental assessment or environmental impact statement is made pursuant to 21 CFR 25.31.

D. Economic Impact

In accordance with 21 CFR 10.30(b), economic impact information is to be submitted only when requested by the Commissioner following review of the petition. CorePharma hereby commits to promptly provide this information, if so requested.

E. Certification

The undersigned certifies, that, to the best knowledge and belief of the undersigned, this petition includes all information and views on which the petition relies, and that it includes representative data and information known to the petitioners which are unfavorable to the petition.

Sincerely,

Kimberly D. Ernst

Senior Director, Regulatory Affairs

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CorePharma, LLC 215 Wood Avenue Middlesex, NJ 08846 Telephone: 732-667-6009

Fax: 732-805-5643

Email: Kimberly.ernst@corepharma.com

FDA Home³ Drug Databases⁴ Orange Book⁵

Orange Book: Approved Drug Products with Therapeutic Equivalence Evaluations Start Over⁵ | Back to Search Page

Proprietary Name Search Results from "OB_Disc" table for query on "013217."

Displaying records 1 to 1 of 1

Download data

Appl No	Active Ingredient	Dosage Form; Route	Strength	Proprietary Name	Applicant
N013217	METAXALONE	TABLET; ORAL	400MG	SKELAXIN	KING PHARMS

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FDA/Center for Drug Evaluation and Research Office of Generic Drugs Division of Labeling and Program Support Update Frequency:

Orange Book Data - Monthly

Generic Drug Product Information & Patent Information - Daily

Orange Book Data Updated Through July 01, 2013

Patent and Generic Drug Product Data Last Updated: September 19, 2013

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METAXALONE

TABLET; ORAL

SKELAXIN

>D> JONES PHARMA INC 400MG N13217 001 May DISC >A> @ 400MG N13217 001 May DISC FDA Home³ Drug Databases⁴ Orange Book⁵

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Proprietary Name Search Results from "OB_Rx" table for query on "013217."

Displaying records 1 to 1 of 1

Download data

Appl No	TE R	LD ⁸ Active Ingredient	Dosage Form; Route	Strength	Proprietary Name	Applicant
N013217	AB Y	res METAXALONE	TABLET; ORAL	800MG	SKELAXIN	KING PHARMS

Return to Electronic Orange Book Home Page⁹

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3000846-F

SKELAXIN°

(Metaxalone) Tablets

DESCRIPTION

SKELAXIN" (metaxalone) is available as an 800 mg oval, scored pink tablet.

Chemically, metaxalone is 5-[3.5- dimethylphenoxy) methyl-2-oxazolidnone. The empirical formula is C12H15NO3, which corresponds to a molecular weight of 221.25. The structural

Metacatone is a white to almost white, oddness chystalline power? freely soluble in chlordrom. Soluble in methanol and in 96% ethanol, but practically insoluble in efter or water. Each lable! contlains 800 mg metacatione and the following fractive ingredients alphic acid ammonium calcium alphiate. B-Rose Liquid. com starch, and magnesium stearate.

CLINICAL PHARMACOLOGY

Mechanism of Action: The mechanism of action of metaxalone in humans has not been estab-lished, but may be due to general central nervous system depression. Metaxalone has no direct action on the contractile mechanism of sthated musdle, the motor end plate, or the nerve fiber.

dose under lasted conditions. Thereafter, metaxalone concentrations decline big-linearly with a terminal half-life of 9.0 ± 4.8 hours. Doubling the dose of SCELAXW from 400 mg to 800 mg results in a roughly proportional increase in metaxalone exposure as indicated by peak plasmare. Peak plasma concentrations of metaxalone occur approximately 3 hours after a 400 mg oral 400 mg to 800 mg. The pharmacokinetics of metazalone have been evaluated in healthy adult volunteers after single dose administration of SKELXXIN under fasted and led conditions at doses ranging from

concentrations (Cmax) and area under the curve (AUC). Dose proportionality at doses above 800 mg has not been studied. The absolute bioavailability of metaxalone is not known. pharmacokinetic parameters of metaxalone in two groups of healthy volunteers

17	Table 1: Mean (%CV) Metaxalone Pharmacokinetic Parameters	(CV) Metaxalor	e Pharmacokir	etic Parameter	8
Dose (mg)	Cmax (ng/mL)	Tmax (h)	AUC∞ (ng·h/mL)	11/2 (h)	(L/h)
4001	983 (53)	3.3 (35)	7479 (51)	9.0 (53)	68 (50)
8002	1816 (43)	3,0 (39)	15044 (46)	8.0 (58)	66 (51)
15 uhiorte raca	15 Inhierts received 1x400 mg tablet under fasted conditions (N=42)	ablet under fast	ed conditions (N	=42)	

12	lable 1: Mean (7668) Meldxalone Filannacokinede i aramete s	PCA) MEIGYGIOI	IC FILIDITION OF THE	IED + BI GHACK	
Dose (mg)	Cmax (ng/mL)	Tmax (h)	AUC (ng·h/mL)	t1/2 (h)	(L/s)
400 ¹	983 (53) 1816 (43)	3.3 (35) 3.0 (39)	7479 (51) 15044 (46)	9.0 (53) 8.0 (58)	68 (50) 66 (51)
Subjects rece	Subjects received 1x400 mg tablet under fasted conditions (N=42)	tablet under fast	ted conditions (N	N=59)	

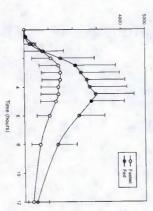
Food Effects

A randomized, two-way, crossover study was conducted in 42 healthy volunteers (31 males, 11 females) administeed one 400 mg SVELAVIN tablet under taseld conditions and following 11 sandard high-fail breakfast. Subjects ranged in age from 18 to 48 years (mean age = 23.5 ± 5.7 years). Compared to fasted conditions; the preserce of a high fat meal at the time of drug administration increased Gmax by 177.5% and increased AUC (AUC₀-t, AUC₀-) by 123.5% and 115.5%, respectively. Time-to-peak concontration (Tmax) was also delayed (4.3 h versus 3.3 h) and terminal half-fite was decreased (2.4 h versus 9.0 h) under fed conditions compared to fasted.

In a second food effect study of similar design, two 400 mg SKELAXIN tablets (800 mg) were administered to healthy volunteers (N=59, 37 males, 22 females), ranging in age from 18-50 years (mean age = 25.6 ± 8.7 years). Compared to fasted conditions, the presence of a high

fat meal at the time of drug administration increased Crnax by 193.6% and increased AUC (AUC), by 146.4% and 142.2%, respectively, time-to-peak concentration (Tinax) was also delayed (4.9 in versus 3.0 h) and terminal half-tie was decreased (4.1 h versus 6.0 h) under fed conditions compared to fasted conditions. Similar door effect results were observed in the above study when one SELAXIN 800 mg tablet was administered in place of two SELAXIN 800 mg tablets. The increase in metavalione exposure coinciding with a rebuddion in half-tile may be attributed to more complete absorption of metavalione in the presence of a high fat meal frigure 1.

Figure ions of Metaxalone folio 800 mg Dose under Fasted and Fed Con Lions ing an



Distribution, Metabolism, and Excretion

Athough plasma protein binding and absolute bioavallability of metazalone are not known, the apparent volume of distribution (VF – 800.1) and inophilicity (log P = 2, 43) of metazalone suggest that the drug is extensively distributed in the itssues. Metazalone is retabolized by the liver and excreted in the unite as undefaulted metabolities. Physiolic Cytochrome P450 enzymes play a role in the metabolism of metazalone. Specifically, CYP1A2, CYP206, CYP2E1, and CYP3A4 and Metaxalone does not significantly inhibit major CPP enzymes such as CPP 142, CYP246, CYP296, CYP208, C to a lesser extent, CYP2C8, CYP2C9, and CYP2C19 appear to metabolize metaxalone.

Pharmacokinetics in Special Populations

induce major CYP enzymes such as CYP1A2, CYP2B6, and CYP3A4 in vitro.

studies. Using the combined data, the results indicate that the pharmacokinetics of metavalone are significantly more affected by age under fasted conditions than under fed conditions, with bioavailability under fasted conditions increasing with age. Age: The effects of age on the pharmacokinetics of metavalone were determined following single administration of two 400 mg tablets (800 mg) under fasted and ted conditions. The results were analyzed separately, as well as in combination with the results from three other results were analyzed separately, as well as in combination with the results from three other results were analyzed separately.

The bioavailability of metaxalone under fasted and fed conditions in three groups of healthy

Food	Z	Age (years)		Foll
Fasted	59	25.6 ± 8.7	Younger Volunteers	Table 2: I owing Single (800
Fed	9	± 8.7	olunteers	Mean (%CV) c Administra mg) under l
Fasted	2	39.3 ± 10.8		Table 2: Mean (%CV) Pharmacokinetics Parameters ing Single Administration of Two 400 mg SKELAXIN (800 mg) under Fasted and Fed Conditions
Fed	-	10.8	Dider Vo	netics Parar 400 mg SKEI ed Condition
Fasted	23	71.5	Dider Volunteers	Table 2: Mean (%CV) Pharmacokinetics Parameters Following Single Administration of Two 400 mg SKLLAXIN Tablets (800 mg) under Fasted and Fed Conditions
Fed	ι.s	71.5 ± 5.0		8

AUC∞ (ng-t/mL)	AUCQ-t (ng-h/mL)	Tmax (h)	Cmax (ng/mL)
15045	14531 (47)	3.0	1816 (43)
20833	20683	4.9	3510 (41)
20490 (39)	19836	3.0 (40)	2719 (46)
20815	20482	8.7	2915 (55)
24194 (44)	23797	(30)	3168
24704 (47)	24340 (48)	6.5	3680 (59)

was significantly higher in temales compared to males as evidenced by Cmax (2115 ng/mL versus 1335 ng/mL) and AUC_C (17864 ng-l/mL versus 10328 ng-l/mL). The mean half-life was 11.11 hours in females and 7.6 hours in males. The apparent valume of distribution of inetax-alone was approximately 22% higher in males than in females, but not significantly different when adjusted for body weight. Similar fridings were also seen when the previously described when adjusted for body weight. Similar fridings were also seen when the previously described when adjusted for body weight. Similar fridings were also seen when the previously described when adjusted for body weight. Similar fridings were also seen when the previously described when adjusted for body weight. SKELAXIN 400 mg tablets (800 mg) under fasted conditions. The bioavailability of metaxalone Gender: The effect of gender on the pharmacokinetics of metaxalone was assessed in an open label study, in which 48 healthy adult volunteers (24 males, 24 females) were administered two combined dataset was used in the analysis.

Hepathc/Renal Insufficiency: The impact of hepatic and renal disease on the pharmacokinetics of metaxalone has not been determined, in the absence of such information, SKELAXIN should be used with cardion in patients with hepatic and/or renal imparment.

INDICATIONS AND USAGE

SKELANN (metaxabne) is indicated as an adjunct to rest, physical therapy, and other measures for the relief of discomforts associated with acute, painful musculosketelal conditions. The mode of action of this drugh las and been dearly identified, but may be related to its sedative proper-ties. Metaxalone does not directly relax tense skeletal muscles in man.

CONTRAINDICATIONS

Significantly impaired renal or hepatic function. Known tendency to drug induced, hemolytic, or other anemias. Known hypersensitivity to any components of this product.

WARNINGS

SKELAXIN may enhance the effects of alcohol and other CNS depressants.

PRECAUTIONS

Metaxalone should be administered with great care to patients with pre-existing liver damage

False-positive Benedict's tests, due to an unknown reducing substance, have been noted. A glucose-specific test will differentiate findings. Senal liver function studies should be performed in these patients

Taking SKELAXIN with food may enhance general CNS depression, elderly patients may be espe-cially susceptible to this CNS effect. (See CLINICAL PHARMACOLIGIY: Pharmacokinetics and PRECAUTIONS: Information for Patients section).

Drug Interactions

SKELAXIN may impair mental and/or physical abilities required for performance of hazardous tasks, such as operating machinery or driving a motor vehicle, especially when used with alcohol or other CNS depressants. Information for Patients

The sedative effects of SKELAXIN and other CNS depressants (e.g., alcohol, benzodiazepines opicids tricyclic antidepressants) may be additive. Therefore, caution should be exercised with patients who take more than one of these CNS depressants simultaneously.

Carcinogenesis, Mutagenesis, Impairment of Fertility

The carcinogenic potential of metaxalone has not been determined.

Pregnancy

Reproduction studies in rats have not revealed evidence of impaired fertility or harm to the fetus due to metaxalone. Post marketing experience has not revealed evidence of fetal injury, but



such experience cannot exclude the possibility of infrequent or subtle damage to the human februs. Safe use of metazatione has not been established with regard to possible adverse effects februs experience. Therefore, metazadene tablets should not be used in women who are or may become pregnant and particularly during early programcy unless, in the judgement of the physician, the potential benefits outweigh the possible hazards.

NURSING MOTHERS

It is not known whether this drug is secreted in human milk. As a general rule, nursing should not be undertaken while a patient is on a drug since many drugs are excreted in human milk.

Pediatric Use

Safety and effectiveness in children 12 years of age and below have not been established

ADVERSE REACTIONS

CNS: drowsiness, dizziness, headache, and nervousness or "irritability" Digestive nausea, vomiting gastrointestinal upset The most frequent reactions to metaxalone include:

Other adverse reactions are

Hematologic: leukopenia; hemolytic anemia: immune System: hypersensitivity reaction, rash with or without pruritus;

repatobiliary: jaundice.

Though rare, anaphylactoid reactions have been reported with metaxalone

OVERDOSAGE

combination with antidepressants, and have been reported with this class of drug in combina-Deaths by deliberate or accidental overdose have occurred with metaxalone, particularly in tion with aicohol.

ratory failure were noted as the dosage increased, in dogs, no LDgg could be determined as the higher doses produced an emetic action in 15 to 30 minutes. Treatment - Gastric lawage and supportive therapy, Consultation with a regional poison control When determining the LD₅₀ in rats and mice, progressive sedation, hypnosis, and finally respi-

center is recommended.

DOSAGE AND ADMINISTRATION

to four times a day. The recommended dose for adults and children over 12 years of age is one 800 mg tablet three

HOW SUPPLIED

SKELAXIN (metavalone) is available as an 800 mg oval, soured prink tablet inscribed with 8667 on the scored side and "S" on the other Available in bottles of 100 (NDC 60793-136-01) and in bottles of 500 (NDC 60793-136-05).

Store at Controlled Room Temperature, between 15°C and 30°C (59°F and 86°F).

Rx Only

Prescribing Information as of April 2008

King Pharmaceuticals

Distributed by: King Pharmaceuticals, Inc., Bristol, TN 37620 Manufactured by: Mallinckrodt inc., Hobart, NY 13788

3000846-F

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