Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers

[1,1'-Biphenyl]-4-aceticacid, 2-fluoro-a-methyl-, 1-(acetyloxy)ethyl ester (cas 91503-79-6)

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : DU8342000
CHEMICAL NAME : (1,1'-Biphenyl)-4-acetic acid,
                 2-fluoro-alpha-methyl-, 1-(acetyloxy)ethyl ester
CAS REGISTRY NUMBER : 91503-79-6
LAST UPDATED : 199806
DATA ITEMS CITED : 14
MOLECULAR FORMULA : C19-H19-F-O4
MOLECULAR WEIGHT : 330.38
COMPOUND DESCRIPTOR : Drug
                       Reproductive Effector
SYNONYMS/TRADE NAMES :

* 1-Acetoxyethyl 2-(2-fluoro-4-biphenylyl)propionate
* 4-Biphenylacetic acid, 2-fluoro-alpha-methyl-, 1-acetoxyethyl ester
* 2-Fluoro-alpha-methyl-(1,1'-biphenyl)-4-acetic acid 1-(acetyloxy)ethyl ester
* Flurbiprofen axetil
* LFP 83
* Lipfen
* Lipo-flurbiprofen axetil
* Liposomal flurbiprofen axetil
* Ropion
** ACUTE TOXICITY DATA **

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 66 mg/kg

TOXIC EFFECTS :
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE :
KSRNAM Kiso to Rinsho. Clinical Report. (Yubunsha Co., Ltd., 1-5, Kanda Suda-Cho, Chiyoda-ku, KS Bldg., Tokyo 101, Japan) V.1- 1960-
Volume(issue)/page/year: 22,3949,1988

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Subcutaneous
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 66 mg/kg

TOXIC EFFECTS :
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE :
KSRNAM Kiso to Rinsho. Clinical Report. (Yubunsha Co., Ltd., 1-5, Kanda Suda-Cho, Chiyoda-ku, KS Bldg., Tokyo 101, Japan) V.1- 1960-
Volume(issue)/page/year: 22,3949,1988

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 88 mg/kg

TOXIC EFFECTS :
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation
REFERENCE:
KSRNAM Kiso to Rinsho. Clinical Report. (Yubunsha Co., Ltd., 1-5, Kanda Suda-Cho, Chiyoda-ku, KS Bldg., Tokyo 101, Japan) V.1-1960-
Volume(issue)/page/year: 22,3949,1988

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Oral
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 69 mg/kg

TOXIC EFFECTS:
Behavioral - convulsions or effect on seizure threshold
Behavioral - ataxia
Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:
KSRNAM Kiso to Rinsho. Clinical Report. (Yubunsha Co., Ltd., 1-5, Kanda Suda-Cho, Chiyoda-ku, KS Bldg., Tokyo 101, Japan) V.1-1960-
Volume(issue)/page/year: 22,3949,1988

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Subcutaneous
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 183 mg/kg

TOXIC EFFECTS:
Behavioral - convulsions or effect on seizure threshold
Behavioral - ataxia
Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:
KSRNAM Kiso to Rinsho. Clinical Report. (Yubunsha Co., Ltd., 1-5, Kanda Suda-Cho, Chiyoda-ku, KS Bldg., Tokyo 101, Japan) V.1-1960-
Volume(issue)/page/year: 22,3949,1988

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intravenous
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 194 mg/kg

TOXIC EFFECTS:
Behavioral - convulsions or effect on seizure threshold
Behavioral - ataxia
Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:
KSRNAM Kiso to Rinsho. Clinical Report. (Yubunsha Co., Ltd., 1-5, Kanda Suda-Cho, Chiyoda-ku, KS Bldg., Tokyo 101, Japan) V.1-1960-
Volume(issue)/page/year: 22,3949,1988
**TYPE OF TEST**

- LD50 - Lethal dose, 50 percent kill

**ROUTE OF EXPOSURE**

- Intravenous

**SPECIES OBSERVED**

- Primate - monkey

**DOSE/DURATION**

- 188 mg/kg

**TOXIC EFFECTS**:

- Behavioral - convulsions or effect on seizure threshold
- Behavioral - muscle contraction or spasticity
- Lungs, Thorax, or Respiration - dyspnea

**REFERENCE**:

JZKEDZ Jitchuken Zenrinsho Kenkyuho. Central Institute for Experimental Animals, Research Reports. (Jikken Dobutsu Chuo Kenkyusho, 1433 Nogawa, Takatsu-ku, Kawasaki 211, Japan) V.1- 1975- Volume(issue)/page/year: 14,81,1988

**OTHER MULTIPLE DOSE TOXICITY DATA**

**TYPE OF TEST**

- TDLo - Lowest published toxic dose

**ROUTE OF EXPOSURE**

- Intravenous

**SPECIES OBSERVED**

- Primate - monkey

**DOSE/DURATION**

- 700 mg/kg/4W-I

**TOXIC EFFECTS**:

- Kidney, Ureter, Bladder - urine volume increased
- Kidney, Ureter, Bladder - other changes in urine composition
- Kidney, Ureter, Bladder - other changes

**REFERENCE**:

JZKEDZ Jitchuken Zenrinsho Kenkyuho. Central Institute for Experimental Animals, Research Reports. (Jikken Dobutsu Chuo Kenkyusho, 1433 Nogawa, Takatsu-ku, Kawasaki 211, Japan) V.1- 1975- Volume(issue)/page/year: 14,87,1988

**TYPE OF TEST**

- TDLo - Lowest published toxic dose

**ROUTE OF EXPOSURE**

- Intravenous

**SPECIES OBSERVED**

- Primate - monkey

**DOSE/DURATION**

- 910 mg/kg/26W-I

**TOXIC EFFECTS**:

- Lungs, Thorax, or Respiration - dyspnea

**REFERENCE**:

JZKEDZ Jitchuken Zenrinsho Kenkyuho. Central Institute for Experimental Animals, Research Reports. (Jikken Dobutsu Chuo Kenkyusho, 1433 Nogawa, Takatsu-ku, Kawasaki 211, Japan) V.1- 1975- Volume(issue)/page/year: 14,109,1988

**REPRODUCTIVE DATA**
TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE : 1 mg/kg
SEX/DURATION : female 21 day(s) after conception

TOXIC EFFECTS :
Reproductive - Specific Developmental Abnormalities - Central Nervous System

REFERENCE :
IYKEDH Iyakuhin Kenkyu. Study of Medical Supplies. (Nippon Koteisho Kyokai, 12-15, 2-chome, Shibuya, Shibuya-ku, Tokyo 150, Japan) V.1-1970-
Volume(issue)/page/year: 20,42,1989

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TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE : 415 mg/kg
SEX/DURATION : male 61 day(s) pre-mating
female 15 day(s) pre-mating - 7 day(s) after conception

TOXIC EFFECTS :
Reproductive - Fertility - pre-implantation mortality (e.g. reduction in number of implants per female; total number of implants per corpora lutea)
Reproductive - Fertility - other measures of fertility
Reproductive - Effects on Embryo or Fetus - other effects to embryo

REFERENCE :
YACHDS Yakuri to Chiryo. Pharmacology and Therapeutics. (Raifu Saiensu Shuppan K.K., 2-5-13, Yaesu, Chuo-ku, Tokyo 104, Japan) V.1-1972-
Volume(issue)/page/year: 16,3671,1988

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TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE : 110 mg/kg
SEX/DURATION : female 7-17 day(s) after conception

TOXIC EFFECTS :
Reproductive - Effects on Embryo or Fetus - fetal death
Reproductive - Effects on Newborn - physical
Reproductive - Effects on Newborn - delayed effects

REFERENCE :
YACHDS Yakuri to Chiryo. Pharmacology and Therapeutics. (Raifu Saiensu Shuppan K.K., 2-5-13, Yaesu, Chuo-ku, Tokyo 104, Japan) V.1-1972-
Volume(issue)/page/year: 16,3689,1988
TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE : 26 mg/kg
SEX/DURATION : female 17 day(s) after conception - 21 day(s) post-birth

TOXIC EFFECTS:
Reproductive - Maternal Effects - parturition
Reproductive - Effects on Embryo or Fetus - fetal death
Reproductive - Effects on Newborn - viability index (e.g., # alive at day 4 per # born alive)

REFERENCE:
YACHDS Yakuri to Chiryoy. Pharmacology and Therapeutics. (Raifu Saiensu Shuppan K.K., 2-5-13, Yaesu, Chuo-ku, Tokyo 104, Japan) V.1- 1972-
Volume(issue)/page/year: 16,3713,1988

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TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rabbit
DOSE : 1040 mg/kg
SEX/DURATION : female 6-18 day(s) after conception

TOXIC EFFECTS:
Reproductive - Fertility - abortion
Reproductive - Effects on Embryo or Fetus - fetal death

REFERENCE:
YACHDS Yakuri to Chiryoy. Pharmacology and Therapeutics. (Raifu Saiensu Shuppan K.K., 2-5-13, Yaesu, Chuo-ku, Tokyo 104, Japan) V.1- 1972-
Volume(issue)/page/year: 16,3731,1988

*** END OF RECORD ***