

The following information was generated from the Chemical Carcinogenesis Research Information System (CCRIS), a database of the National Library of Medicine's TOXNET system (<http://toxnet.nlm.nih.gov>) on September 12, 2006.

Query: The chemical name salicylic acid was identified. The following terms were added from ChemIDplus:

retarder w

keralyt

compound w

CAS Registry Number: 69-72-7

1

SUBSTANCE IDENTIFICATION:

SUBSTANCE NAME: SALICYLIC ACID

CAS REGISTRY NUMBER: 69-72-7

DATA TYPE: Mutagenicity

STUDIES DATA:

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA98

METABOLIC ACTIVATION: NONE

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA98

METABOLIC ACTIVATION: RAT, LIVER, S-9, PCB

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA98

METABOLIC ACTIVATION: MOUSE, LIVER, S-9, PCB

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA98

METABOLIC ACTIVATION: GUINEA PIG, LIVER, S-9, PCB

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA98

METABOLIC ACTIVATION: HAMSTER, LIVER, S-9, PCB

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA100

METABOLIC ACTIVATION: NONE

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM

STRAIN INDICATOR: TA100

METABOLIC ACTIVATION: MOUSE, LIVER, S-9, PCB

METHOD: PREINCUBATION

DOSE:

0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES, AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA100  
METABOLIC ACTIVATION: GUINEA PIG, LIVER, S-9, PCB  
METHOD: PREINCUBATION  
DOSE:  
0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

REFERENCE:  
<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES,  
AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON  
UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA100  
METABOLIC ACTIVATION: HAMSTER, LIVER, S-9, PCB  
METHOD: PREINCUBATION  
DOSE:  
0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

REFERENCE:  
<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES,  
AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON  
UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA100  
METABOLIC ACTIVATION: RAT, LIVER, S-9, PCB  
METHOD: PREINCUBATION  
DOSE:  
0.1-10 MG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: POSITIVE

REFERENCE:  
<NOINDEX>[KUBOYAMA,N AND FUJII,A; MUTAGENICITY OF ANALGESICS, THEIR DERIVATIVES,  
AND ANTI-INFLAMMATORY DRUGS WITH S-9 MIX OF SEVERAL ANIMAL SPECIES; J. NIHON  
UNIV. SCH. DENT. 34(3):183-195, 1992]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA98  
METABOLIC ACTIVATION: NONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

REFERENCE:  
<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER,  
JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE  
TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2),  
2000]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA98  
METABOLIC ACTIVATION:  
RAT LIVER S-9, PHENOBARBITAL AND BETA-NAPHTHOFILAVONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)

RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA100  
METABOLIC ACTIVATION: NONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA100  
METABOLIC ACTIVATION:  
RAT LIVER S-9, PHENOBARBITAL AND BETA-NAPHTHOFILAVONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA1535  
METABOLIC ACTIVATION: NONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA1535  
METABOLIC ACTIVATION:  
RAT LIVER S-9, PHENOBARBITAL AND BETA-NAPHTHOFILAVONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE  
REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

## MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA1537  
METABOLIC ACTIVATION: NONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

## REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

## MUTAGENICITY STUDIES:

TEST SYSTEM: AMES SALMONELLA TYPHIMURIUM  
STRAIN INDICATOR: TA1537  
METABOLIC ACTIVATION:  
RAT LIVER S-9, PHENOBARBITAL AND BETA-NAPHTHOFLAVONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

## REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

## MUTAGENICITY STUDIES:

TEST SYSTEM: E.COLI  
STRAIN INDICATOR: WP2UVRA/PKM101  
METABOLIC ACTIVATION: NONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

## REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2), 2000]</NOINDEX>

## MUTAGENICITY STUDIES:

TEST SYSTEM: E.COLI  
STRAIN INDICATOR: WP2UVRA/PKM101  
METABOLIC ACTIVATION:  
RAT LIVER S-9, PHENOBARBITAL AND BETA-NAPHTHOFLAVONE  
METHOD: PREINCUBATION  
DOSE:  
1.22-5000 UG/PLATE (TEST MATERIAL SOLVENT: DMSO)  
RESULTS: NEGATIVE

## REFERENCE:

<NOINDEX>[JAPAN CHEMICAL INDUSTRY ECOLOGY- TOXICOLOGY AND INFORMATION CENTER, JAPAN; MUTAGENICITY TEST DATA OF EXISTING CHEMICAL SUBSTANCES BASED ON THE

TOXICITY INVESTIGATION OF THE INDUSTRIAL SAFETY AND HEALTH LAW; (SUPPL. 2),  
2000]</NOINDEX>

ADMINISTRATIVE INFORMATION:

CCRIS RECORD NUMBER: 6714

LAST REVISION DATE: 20041012

UPDATE HISTORY: Complete Update on 2004-10-12

Complete Update on 2004-09-30

Complete Update on 08/02/1995, 7 fields added/edited/deleted.