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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Sulindac Sulfide

COX inhibitor
Catalog No. SIH-261



Discovery through partnership | Excellence through quality

Overview

Product Name

Sulindac Sulfide

Description

COX inhibitor

Purity

>98%

CAS No.

32004-67-4

Molecular Formula

C17H15FO3S

Molecular Weight

340.41

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 25 mM in DMSO, 3 mM in ethanol

Source

Synthetic

Appearance

Yellow solid

SMILES

CC1=C(C2=C(/C1=CC3=CC=C(C=C3)SC)C=CC(=C2)F)CC(=O)O

InChI

InChI=1S/C20H17FO2S/c1-12-17(9-13-3-6-15(24-2)7-4-13)16-8-5-14(21)10-19(16)18(12)11-20(22)23/h3-10H,11H2,1-2H3,(H,22,23)/b17-

InChIKey

LFWHFZJPXXOYNR-RQZCQDPDSA-N

Safety Phrases

Classification: Toxic. May be harmful or fatal if inhaled, swallowed or absorbed through skin.
Safety Phrases:
S22 - Do not breathe dust
S24/25 - Avoid contact with skin and eyes
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
Risk Phrases:
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R62 - Possible risk of impaired fertility
Hazard Phrases:
H302-H317-H334-H361
Precautionary Phrases:
P261-P280-P342 + P311

Cite This Product

Sulindac Sulfide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-261)

Biological Description

Alternative Names

{{(1Z)-5-Fluoro-2-methyl-1-[4-(methylsulfanyl)benzylidene]-1H-inden-3-yl}acetic acid

Research Areas

Cancer, Apoptosis

PubChem ID

1548887

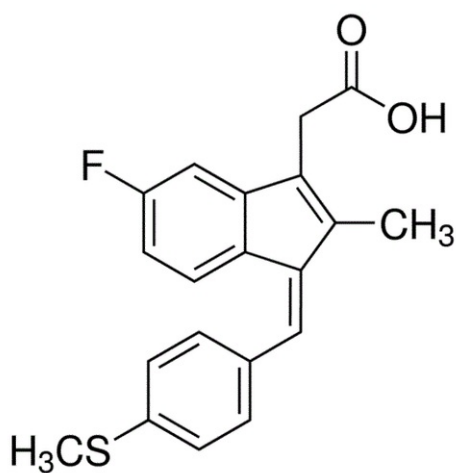
Scientific Background

Sulindac is a nonsteroidal anti-inflammatory drug that is known to prevent recurrence and reduce colorectal polyps. It is a prodrug that is metabolized to a sulfide and sulfone derivative in vivo. The mechanism of action of both is the selective induction of apoptosis. The anti-inflammatory properties of sulindac are mediated by COX inhibition (1, 2).

References

- 1. Frahm S., et al. (2004) Cancer Cell Int. 4:4.
- 2. Piazza G.A., et al. (1997) Cancer Res. 57(12): 2452-2459.

Product Images



Chemical structure of Sulindac Sulfide (SIH-261), a NFkB inhibitor. CAS #: 32004-67-4. Molecular Formula: C₂₀H₁₇FO₂S . Molecular Weight: 340.41 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.