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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Sulindac Sulfone

Sulindac metabolite
Catalog No. SIH-262



Discovery through partnership | Excellence through quality

Overview

Product Name

Sulindac Sulfone

Description

Sulindac metabolite

Purity

>98%

CAS No.

59864-04-9

Molecular Formula

C₁₇H₁₅FO₃S

Molecular Weight

372.41

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

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)S(=O)(=O)C)C=CC(=C2)F)CC(=O)O

InChI

InChI=1S/C20H17FO4S/c1-12-17(9-13-3-6-15(7-4-13)26(2,24)25)16-8-5-14(21)10-19(16)18(12)11-20(22)23/h3-10H,11H2,1-2H3,(H,22,23)/

b17-9-

InChIKey

MVGSNCBCUWPVDA-MFOYZWKCSA-N

Safety Phrases

Classification: Harmful. May be harmful 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

Cite This Product

Sulindac Sulfone (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-262)

Biological Description

Alternative Names

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

Research Areas

Cancer, Apoptosis

PubChem ID

5472495

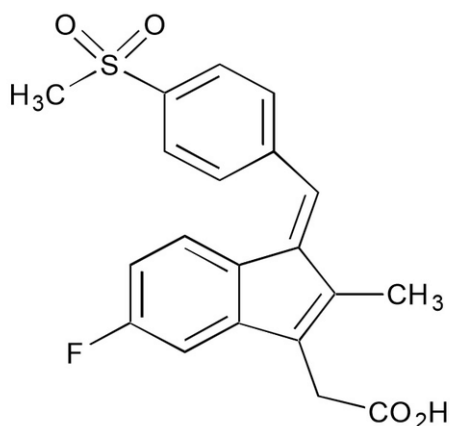
Scientific Background

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 Sulfone (SIH-262), a Modulates beta-catenin-mediated effects. CAS #: 59864-04-9. Molecular Formula: C₂₀H₁₇FO₄S . Molecular Weight: 372.41 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.