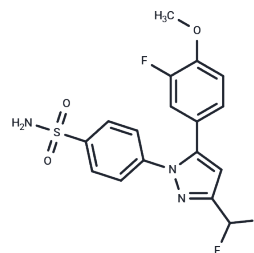


Deracoxib

Chemical Properties

CAS No. :	169590-41-4
Formula:	C ₁₇ H ₁₄ F ₃ N ₃ O ₃ S
Molecular Weight:	397.37
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Deracoxib (SC 46) is a non-steroidal, non-narcotic anti-inflammatory drug. It is also a selective cyclooxygenase-2 inhibitor, and IC ₅₀ Value: 70 to 150 μ M (inhibition of 3 osteosarcoma cell lines).
Targets(IC ₅₀)	Apoptosis, COX

Solubility Information

Solubility	DMSO: 60 mg/mL (150.99 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5165 mL	12.5827 mL	25.1655 mL
5 mM	0.5033 mL	2.5165 mL	5.0331 mL
10 mM	0.2517 mL	1.2583 mL	2.5165 mL
50 mM	0.0503 mL	0.2517 mL	0.5033 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Ustün Alkan F, et al. ScientificWorldJournal. 2012;2012:976740.

Kaduk J A, Gindhart A M, Gates-Rector S, et al. Crystal structure of deracoxib, C₁₇H₁₄F₃N₃O₃S. Powder Diffraction. 2023: 1-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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