

S-2474

Chemical Properties

CAS No.:	158089-95-3
Formula:	C ₂₀ H ₃₁ NO ₃ S
Molecular Weight:	365.53
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	S-2474 is an inhibitor of COX-2 and 5-lipoxygenase (IC ₅₀ s: 11 nM and 27 µM for COX-2 and COX-1 in human intact cells).
Targets(IC ₅₀)	COX-2: 11 nM COX-1: 27 µM 5-LO: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.736 mL	13.679 mL	27.358 mL
5 mM	0.547 mL	2.736 mL	5.472 mL
10 mM	0.274 mL	1.368 mL	2.736 mL
50 mM	0.055 mL	0.274 mL	0.547 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yagami T, et al. Effects of S-2474, a novel nonsteroidal anti-inflammatory drug, on amyloid beta protein-induced neuronal cell death. *Br J Pharmacol.* 2001 Oct;134(3):673-81.
2. Yagami T, et al. S-2474, a novel nonsteroidal anti-inflammatory drug, rescues cortical neurons from human group IIA secretory phospholipase A(2)-induced apoptosis. *Neuropharmacology.* 2005 Aug;49(2):174-84. Epub 2005 Apr 1.

Inhibitors · Natural Compounds · Compound Libraries

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