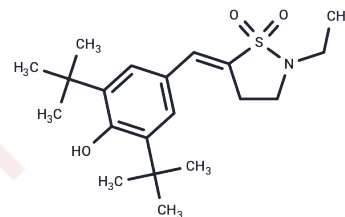


S-2474

Chemical Properties

CAS No. : 158089-95-3
 Formula: C₂₀H₃₁NO₃S
 Molecular Weight: 365.53
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	S-2474, an inhibitor of COX-2 and 5-lipoxygenase, has anti-inflammatory and neuroprotective activities and inhibits Abeta (25 - 35) and Abeta (1 - 40) induced cell death.
Targets(IC50)	COX,Lipoxygenase
In vitro	S-2474 is a novel non-steroidal anti-inflammatory drug (NSAID) that inhibits COX-2 and contains a tert-butyl phenol antioxidant moiety, significantly preventing neuronal cell death induced by sPLA(2)-IIA.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7358 mL	13.6788 mL	27.3575 mL
5 mM	0.5472 mL	2.7358 mL	5.4715 mL
10 mM	0.2736 mL	1.3679 mL	2.7358 mL
50 mM	0.0547 mL	0.2736 mL	0.5472 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481