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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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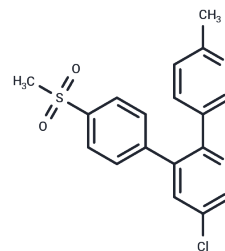
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Etoricoxib

Chemical Properties

CAS No. :	202409-33-4
Formula:	C ₁₈ H ₁₅ ClN ₂ O ₂ S
Molecular Weight:	358.84
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Etoricoxib (MK-663) is a synthetic, nonsteroidal anti-inflammatory drug (NSAID) with antipyretic, analgesic, and potential antineoplastic properties. Etoricoxib specifically binds to and inhibits the enzyme cyclooxygenase-2 (COX-2), resulting in inhibition of the conversion of arachidonic acid into prostaglandins. Inhibition of COX-2 may induce apoptosis and inhibit tumor cell proliferation and angiogenesis.
Targets(IC ₅₀)	COX
In vivo	The preferential cyclooxygenase-2 inhibitor etoricoxib significantly reduces the anticonvulsant action of phenytoin and significantly increases the beneficial action of diazepam against maximal electroshock and pentylenetetrazole-induced convulsions in a mouse model[1]. Etoricoxib has the potential to act as an anti-apoptotic and anti-proliferative agent in the colon[2].
Cell Research	Human colon carcinoma cell line HCT-116 are treated with various coxibs for 2 h. Subsequently, the cells are harvested and the sphingolipids isolated and determined by LC-MS/MS. (Only for Reference)

Solubility Information

Solubility	Ethanol: 43 mg/mL (119.8 mM), DMSO: 50 mg/mL (139.34 mM), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7868 mL	13.9338 mL	27.8676 mL
5 mM	0.5574 mL	2.7868 mL	5.5735 mL
10 mM	0.2787 mL	1.3934 mL	2.7868 mL
50 mM	0.0557 mL	0.2787 mL	0.5574 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

Jayaraman R, et al. J Pharm Pharmacol. 2010, 62(5):610-4.

Tanwar L, et al. Asian Pac J Cancer Prev. 2010, 11(5):1329-33.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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