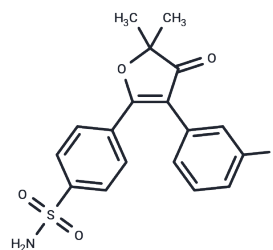


Polmacoxib

Chemical Properties

CAS No. :	301692-76-2
Formula:	C ₁₈ H ₁₆ FNO ₄ S
Molecular Weight:	361.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Polmacoxib (CG 100649) is a first-in-class NSAID drug candidate, is a dual inhibitor of carbonic anhydrase (CA) and COX-2. Polmacoxib inhibits premalignant and malignant colorectal lesions in mouse models, partly through inhibiting tumor cell proliferation.
Targets(IC50)	COX,Carbonic Anhydrase

Solubility Information

Solubility	H ₂ O: Insoluble, DMSO: 55 mg/ml (152.19 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7671 mL	13.8355 mL	27.6709 mL
5 mM	0.5534 mL	2.7671 mL	5.5342 mL
10 mM	0.2767 mL	1.3835 mL	2.7671 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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

Kim SH, Margalit O, Katoh H, et al. CG100649, a novel COX-2 inhibitor, inhibits colorectal adenoma and carcinoma growth in mouse models. Invest New Drugs. 2014 Aug 3. [Epub ahead of print] PubMed PMID: 25085205.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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