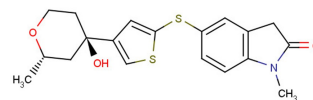


AZD 4407

Chemical Properties

CAS No.:	166882-70-8
Formula:	C ₁₉ H ₂₁ NO ₃ S ₂
Molecular Weight:	375.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	AZD 4407 is a potent inhibitor of 5-lipoxygenase.
Targets(IC ₅₀)	5-Lipoxygenase: None
In vitro	In view of the powerful spasmogenic actions of leukotrienes in vascular and bronchial tissue, AZD 4407 (ZD4407) block their biosynthesis by inhibiting 5-lipoxygenase may have therapeutic potential in a variety of inflammatory conditions including inflammatory arthropathies, asthma, psoriasis, and inflammatory bowel disease.

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	2.663 mL	13.316 mL	26.631 mL
5 mM	0.533 mL	2.663 mL	5.326 mL
10 mM	0.266 mL	1.332 mL	2.663 mL
50 mM	0.053 mL	0.266 mL	0.533 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. Jonathan Hutton, et al. Use of a Titanium Thienyl Anion and a Simple Procedure for Introducing a Thiol Group into Thiophene in the Development of a Manufacturing Route to the 5-Lipoxygenase Inhibitor ZD4407. Org Process Res Dev. 1997 Jan 15;1(1): 61-67.

Inhibitors · Natural Compounds · Compound Libraries

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