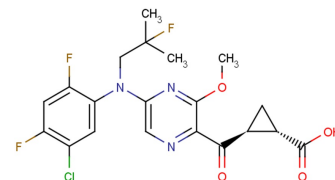


AZD9898

Chemical Properties

CAS No.:	2042347-69-1
Formula:	C ₂₀ H ₁₉ ClF ₃ N ₃ O ₄
Molecular Weight:	457.83
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AZD9898 is an orally active leukotriene-C4 synthetase (LTC ₄ S, glutathione S-transferase II) inhibitor, with an IC ₅₀ of 0.28 nM. AZD9898 has the potential to treat asthma[1]. AZD9898 mitigates the GABA binding and hepatic toxicity signal.
Targets(IC ₅₀)	LTC ₄ S: 0.28 nM
In vivo	AZD9898 with the single dose of 100 mg/kg is well tolerated and no safety concerns are raised[1].

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	2.184 mL	10.921 mL	21.842 mL
5 mM	0.437 mL	2.184 mL	4.368 mL
10 mM	0.218 mL	1.092 mL	2.184 mL
50 mM	0.044 mL	0.218 mL	0.437 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. Munck Af Rosenschöld M, et al. Discovery of the Oral Leukotriene C4 Synthase Inhibitor (1S,2S)-2-({5-[(5-Chloro-2,4-difluorophenyl)(2-fluoro-2-methylpropyl)amino]-3-methoxypyrazin-2-yl}carbonyl)cyclopropanecarboxylic Acid (AZD9898) as a New Treatment for Asthma. J Med Chem. 2019 Aug 30.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481