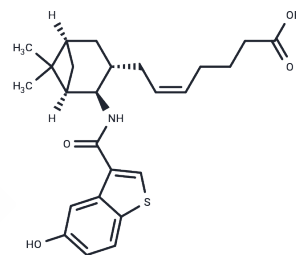


S-5751

Chemical Properties

CAS No. : 209268-36-0
 Formula: C₂₅H₃₁NO₄S
 Molecular Weight: 441.58
 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-5751, a prostanoid DP (DP1) antagonist, is used potentially for the treatment of bronchial asthma.
Targets(IC50)	Others, Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2646 mL	11.323 mL	22.646 mL
5 mM	0.4529 mL	2.2646 mL	4.5292 mL
10 mM	0.2265 mL	1.1323 mL	2.2646 mL
50 mM	0.0453 mL	0.2265 mL	0.4529 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

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Hirano Y, Shichijo M, Ikeda M, Kitaura M, Tsuchida J, Asanuma F, Yanagimoto T, Furue Y, Imura K, Yasui K, Arimura A. Prostanoid DP receptor antagonists suppress symptomatic asthma-like manifestation by distinct actions from a glucocorticoid in rats. *Eur J Pharmacol*. 2011 Sep;666(1-3):233-41. doi: 10.1016/j.ejphar.2011.05.003. PubMed PMID: 21596028.

Yasui K, Asanuma F, Hirano Y, Shichijo M, Deguchi M, Arimura A. Contribution of prostaglandin D2 via prostanoid DP receptor to nasal hyperresponsiveness in guinea pigs repeatedly exposed to antigen. *Eur J Pharmacol*. 2008 Jan 14;578(2-3):286-91. PubMed PMID: 17927976.

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