

L 648051

Chemical Properties

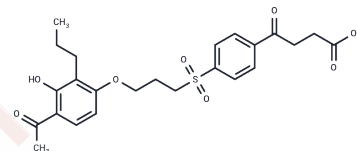
CAS No. : 91541-18-3

Formula: C₂₄H₂₈O₈S

Molecular Weight: 476.54

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	L 648051 is a leukotriene D4 receptor antagonist.
Targets(IC50)	Others,Leukotriene Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0985 mL	10.4923 mL	20.9846 mL
5 mM	0.4197 mL	2.0985 mL	4.1969 mL
10 mM	0.2098 mL	1.0492 mL	2.0985 mL
50 mM	0.042 mL	0.2098 mL	0.4197 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

Gök S, Ulker S, Evinç A. Possible contribution of leukotrienes in the arrhythmogenic effects of digoxin on isolated guinea-pig hearts. *Pharmacology*. 1998 Nov;57(5):279-84. PubMed PMID: 9742293.

Gök S, Banoaglu N. Effects of a leukotriene D4 receptor antagonist, L-648,051, and a dual inhibitor lipoxygenase and cyclooxygenase, BW-755C, on digoxin-induced arrhythmias in guinea-pigs. *Arch Int Pharmacodyn Ther*. 1993 Jan-Feb;321:72-80. PubMed PMID: 8391788.

Rasmussen JB, Eriksson LO, Tagari P, Margolskee DJ, Girard Y, Andersson KE. Urinary LTE₄ excretion in antigen-provoked asthmatic patients treated with the inhaled LTD₄ antagonist, L-648,051. *Allergy*. 1992 Dec;47(6):599-603. PubMed PMID: 1337423.

Rasmussen JB, Eriksson LO, Tagari P, Stahl EG, Andersson KE. Reduced nonspecific bronchial reactivity and decreased airway response to antigen challenge in atopic asthmatic patients treated with the inhaled leukotriene D4 antagonist, L-648,051. *Allergy*. 1992 Dec;47(6):604-9. PubMed PMID: 1285568.

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