Data Sheet (Cat.No.T7841)

TargetMol
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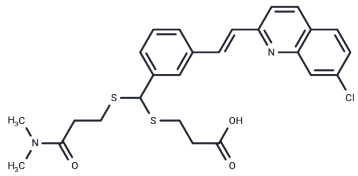
MK 571

Chemical Properties



CAS No. : 115104-28-4

Formula: C26H27ClN2O3S2

Molecular Weight: 515.09

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	MK 571 (L660711) is an orally active antagonist of CysLT1 receptor.
Targets(IC50)	LTR
In vivo	MK-571 effectively blocks LTD4 activation of recombinant human and murine CysLT1 receptors1,4 but is ineffective at blocking LTC4 or LTD4 activation of the recombinant human or murine CysLT2 receptors[1].

Solubility Information

Solubility	DMSO: 9 mg/mL (17.47 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9414 mL	9.707 mL	19.4141 mL
5 mM	0.3883 mL	1.9414 mL	3.8828 mL
10 mM	0.1941 mL	0.9707 mL	1.9414 mL
50 mM	0.0388 mL	0.1941 mL	0.3883 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

Wu Z L, Chen Y, Qu Z, et al. An ester derivative of tenacigenin B from Marsdenia tenacissima (Roxb.) Wight et Arn reversed paclitaxel-induced MDR in vitro and in vivo by inhibiting both P-gp and MRP2. Journal of

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