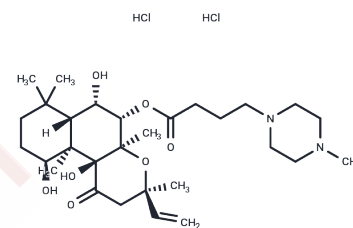


L-858,051 (hydrochloride)

Chemical Properties

CAS No. : 115116-37-5
 Formula: C₂₉H₅₀Cl₂N₂O₇
 Molecular Weight: 609.63
 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-858,051 is a water-soluble analog of forskolin, a cell-permeant activator of adenylate cyclase. L-858,051 activates adenylate cyclase (EC ₅₀ = 3 μM), inhibits glucose transport, and blocks cytochalasin B binding in rat adipocyte membranes. L-858,051 is used to activate adenylate cyclase and initiate signaling through elevated cAMP synthesis in a variety of cell types in culture.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 30 mg/mL (49.21 mM), Sonication is recommended. PBS (pH 7.2): 5 mg/mL (8.2 mM), Sonication is recommended. Ethanol: 1 mg/mL (1.64 mM), Sonication is recommended. DMF: 20 mg/mL (32.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6403 mL	8.2017 mL	16.4034 mL
5 mM	0.3281 mL	1.6403 mL	3.2807 mL
10 mM	0.164 mL	0.8202 mL	1.6403 mL
50 mM	0.0328 mL	0.164 mL	0.3281 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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