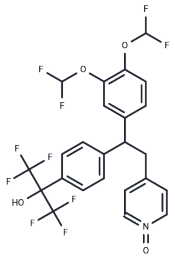
Data Sheet (Cat.No.T11810)

TargetMol

L791943

Chemical Properties



CAS No. : 192767-01-4

Formula: C24H17F10NO4

Molecular Weight: 573.38

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	L791943 is a selective, potent) inhibitor of Phosphodiesterase-4 (PDE4,IC50 of 4.2 nM).
Targets(IC50)	Others,PDE
In vitro	The metabolic stability of L791943 was assessed in vitro using rat hepatocytes and compared to that of CDP-840. Our results, under standard incubation conditions, show that more than 98% of L791943 remains unmetabolized, whereas only 11% of CDP-840 retains its original form.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.744 mL	8.7202 mL	17.4404 mL
5 mM	0.3488 mL	1.744 mL	3.4881 mL
10 mM	0.1744 mL	0.872 mL	1.744 mL
50 mM	0.0349 mL	0.1744 mL	0.3488 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

Richard Frenette, et al. Substituted 4-(2,2-diphenylethyl)pyridine-N-oxides as phosphodiesterase-4 inhibitors: SAR study directed toward the improvement of pharmacokinetic parameters. Bioorg Med Chem Lett. 2002 Oct 21;12 (20):3009-13.

Guay D, et al. Discovery of L-791,943: a potent, selective, non emetic and orally active phosphodiesterase-4 inhibitor. Bioorg Med Chem Lett. 2002 Jun 3;12(11):1457-61.

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