

ABT-080

Chemical Properties

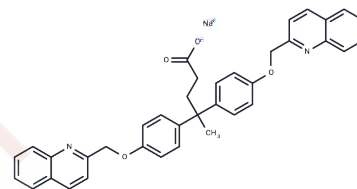
CAS No. : 189498-57-5

Formula: C₃₇H₃₁N₂NaO₄

Molecular Weight: 590.64

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	ABT-080 (VML 530), a leukotriene synthesis inhibitor, is used potentially for treatment of asthma.
Targets(IC50)	Leukotriene Receptor
In vitro	ABT-080 Inhibits calcium ionophore (A-23187)-stimulated LTB ₄ formation in human neutrophils with IC ₅₀ of 20nM. ABT-080 inhibits LTB ₄ production with an IC ₅₀ of 13000nM in a calcium ionophore-stimulated human whole blood assay.

Solubility Information

Solubility	DMSO: 50 mg/mL (84.65 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	1.6931 mL	8.4654 mL	16.9308 mL
5 mM	0.3386 mL	1.6931 mL	3.3862 mL
10 mM	0.1693 mL	0.8465 mL	1.6931 mL
50 mM	0.0339 mL	0.1693 mL	0.3386 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

Kolasa T, Gunn DE, Bhatia P, Basha A, Craig RA, Stewart AO, Bouska JB, Harris RR, Hulkower KI, Malo PE, Bell RL, Carter GW, Brooks CD. Symmetrical bis(heteroarylmethoxyphenyl)alkylcarboxylic acids as inhibitors of leukotriene biosynthesis. J Med Chem. 2000 Aug 24;43(17):3322-34. PubMed PMID: 10966751.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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