

Seco Rapamycin sodium salt

Chemical Properties

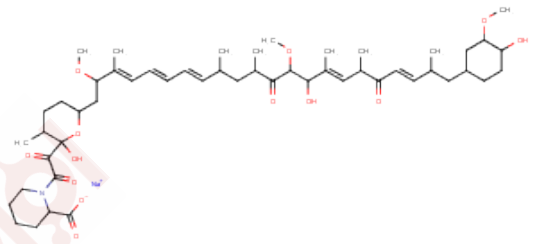
CAS No. : 148554-65-8

Formula: C₅₁H₇₉NNaO₁₃

Molecular Weight: 937.177

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	Seco Rapamycin sodium salt is a ring-opened product of Rapamycin.
Targets(IC50)	Others, Drug Metabolite
In vitro	When applied to the apical compartment, little Seco Rapamycin is detected in the basolateral compartment and in the cellular fraction after 4 h. In addition, little M2 is detected. LY335979 has little effect on the distribution of Seco Rapamycin after an apical dose, although M2 became detectable in the apical compartment. In contrast, when Seco Rapamycin is applied to the basolateral compartment, both Seco Rapamycin and M2 are readily detected in the apical compartment; LY335679 decreases the flux of Seco Rapamycin to the apical compartment and increases the amount of M2 in both apical and basolateral compartments.

Solubility Information

Solubility	DMSO: 46 mg/mL (49.08 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	1.067 mL	5.3352 mL	10.6703 mL
5 mM	0.2134 mL	1.067 mL	2.1341 mL
10 mM	0.1067 mL	0.5335 mL	1.067 mL
50 mM	0.0213 mL	0.1067 mL	0.2134 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

Paine MF, et al. Identification of a novel route of extraction of sirolimus in human small intestine: roles of metabolism and secretion. *J Pharmacol Exp Ther.* 2002 Apr;301(1):174-86.

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