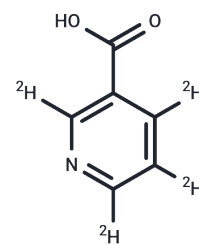


Vitamin B3-D4

Chemical Properties

CAS No. :	66148-15-0
Formula:	C ₆ H ₄ D ₄ NO ₂
Molecular Weight:	127.13
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Vitamin B3-D4 is the deuterium substitute for Niacin and is used to track Niacin metabolism in the body.
Targets(IC50)	Endogenous Metabolite, Autophagy

Solubility Information

Solubility	DMSO: 60 mg/mL (471.96 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	7.866 mL	39.3298 mL	78.6596 mL
5 mM	1.5732 mL	7.866 mL	15.7319 mL
10 mM	0.7866 mL	3.933 mL	7.866 mL
50 mM	0.1573 mL	0.7866 mL	1.5732 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

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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