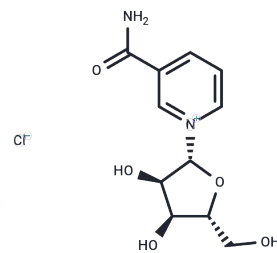


Nicotinamide riboside chloride

Chemical Properties

CAS No. :	23111-00-4
Formula:	C ₁₁ H ₁₅ ClN ₂ O ₅
Molecular Weight:	290.7
Storage:	Keep away from direct sunlight, Keep away from moisture 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	Nicotinamide riboside chloride, also known as NR and SRT647, is a pyridine-nucleoside form of vitamin B3 that functions as a precursor to nicotinamide adenine dinucleotide or NAD+.
Targets(IC50)	Endogenous Metabolite, Sirtuin

Solubility Information

Solubility	H ₂ O: 125 mg/mL (430 mM), Sonication is recommended. DMSO: 255 mg/mL (877.19 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	3.440 mL	17.1999 mL	34.3997 mL
5 mM	0.688 mL	3.440 mL	6.8799 mL
10 mM	0.344 mL	1.720 mL	3.440 mL
50 mM	0.0688 mL	0.344 mL	0.688 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

Cantó C, Houtkooper RH, Pirinen E, et al. The NAD(+) precursor nicotinamide riboside enhances oxidative metabolism and protects against high-fat diet-induced obesity[J]. Cell Metab. 2012 Jun 6; 15(6):838-47.

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