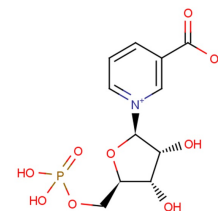


Data Sheet (Cat.No.T19477)

Nicotinic acid mononucleotide

Chemical Properties

CAS No.:	321-02-8
Formula:	C ₁₁ H ₁₄ NO ₉ P
Molecular Weight:	335.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nicotinic acid mononucleotide is formed from nicotinic acid (NA) via the nicotinic acid phosphoribosyltransferase in the biosynthesis of NAD ⁺ .
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.983 mL	14.916 mL	29.833 mL
5 mM	0.597 mL	2.983 mL	5.967 mL
10 mM	0.298 mL	1.492 mL	2.983 mL
50 mM	0.06 mL	0.298 mL	0.597 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- O'Hara JK, et al. Targeting NAD⁺ metabolism in the human malaria parasite Plasmodium falciparum. PLoS One. 2014 Apr 18;9(4):e94061.
- Khan JA, et al. Nicotinamide adenine dinucleotide metabolism as an attractive target for drug discovery. Expert Opin Ther Targets. 2007 May;11(5):695-705.

Inhibitors · Natural Compounds · Compound Libraries

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