

Carba-NAD TEA

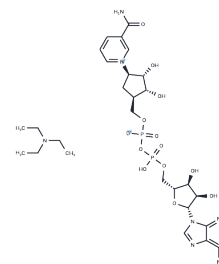
Chemical Properties

CAS No. :

Formula: C28H44N8O13P2

Molecular Weight: 762.64

Storage: Keep away from moisture
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	Carba-NAD TEA is a NAD derivative that acts as a competitive inhibitor of calf splenic NAD+ hydrolase.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 7.69 mg/mL (10.08 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3112 mL	6.5562 mL	13.1123 mL
5 mM	0.2622 mL	1.3112 mL	2.6225 mL
10 mM	0.1311 mL	0.6556 mL	1.3112 mL
50 mM	0.0262 mL	0.1311 mL	0.2622 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

- Wall KA, et al. Inhibition of the intrinsic NAD+ glycohydrolase activity of CD38 by carbocyclic NAD analogues. *Biochem J.* 1998 Nov 1;335 (Pt 3)(Pt 3):631-6.
- Wang Y, et al. Deacylation Mechanism by SIRT2 Revealed in the 1'-SH-2'-O-Myristoyl Intermediate Structure. *Cell Chem Biol.* 2017 Mar 16;24(3):339-345.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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