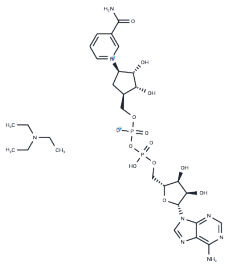
# Data Sheet (Cat.No.T84348L)

TargetMol

## 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 | DMSO: 100 mg/mL (131.12 mM),Sonication and heating are recommended.<br>H2O: 7.69 mg/mL (10.08 mM)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

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.

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