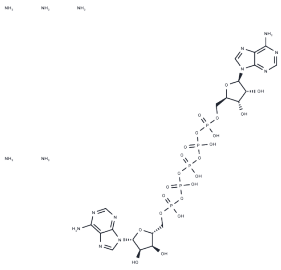
# Data Sheet (Cat.No.T37309)

TargetMol
YOUR TARGET MOLECULES

## Diadenosine pentaphosphate pentaammonium

### Chemical Properties



CAS No. : 102783-61-9

Formula: C20H44N15O22P5

Molecular Weight: 1001.524

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

| | |
|---|---|
| Description | Diadenosine pentaphosphate pentaammonium, an endogenous vasoactive purine dinucleotide isolated from thrombocytes, is one component of the diadenosine polyphosphates (ApnA, n=2-7) family. These compounds are found in secretory vesicles, including those in platelets, chromaffin cells, Torpedo synaptic terminals, and brain synaptosomes[1][2]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 0.9985 mL | 4.9924 mL | 9.9848 mL |
| 5 mM | 0.1997 mL | 0.9985 mL | 1.997 mL |
| 10 mM | 0.0998 mL | 0.4992 mL | 0.9985 mL |
| 50 mM | 0.020 mL | 0.0998 mL | 0.1997 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.

Reference

L Giraldez, et al. Adenosine triphosphate and diadenosine pentaphosphate induce [Ca(2+)](i) increase in rat basal ganglia aminergic terminals. J Neurosci Res. 2001 Apr 15;64(2):174-82.



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