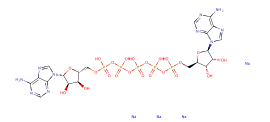


Diadenosine pentaphosphate pentasodium

Chemical Properties

CAS No. :	4097-04-5
Formula:	C ₂₀ H ₂₄ N ₁₀ Na ₅ O ₂₂ P ₅
Molecular Weight:	1026.28
Storage:	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	Diadenosine pentaphosphate pentasodium, an endogenous vasoactive purine dinucleotide isolated from thrombocytes, serves as a key component of secretory vesicles in platelets, chromaffin cells, Torpedo synaptic terminals, and brain synaptosomes. This compound, along with other diadenosine polyphosphates (ApnA, n=2-7), plays a crucial role in physiological processes[1][2].
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9744 mL	4.872 mL	9.7439 mL
5 mM	0.1949 mL	0.9744 mL	1.9488 mL
10 mM	0.0974 mL	0.4872 mL	0.9744 mL
50 mM	0.0195 mL	0.0974 mL	0.1949 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

- 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.
 Jesús Pintor, et al. Presence of diadenosine polyphosphates in human tears. Pflugers Arch. 2002 Jan;443(3):432-6.

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