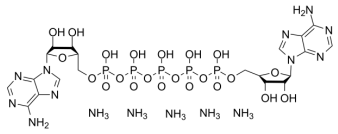
Diadenosine pentaphosphate pentaammonium

Cat. No.:	HY-113273B
CAS No.:	102783-61-9
Molecular Formula:	$C_{20}H_{44}N_{15}O_{22}P_5$
Molecular Weight:	1001.52
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Diadenosine pentaphosphate pentaammonium is an endogenous vasoactive purine dinucleotide which has been isolated from thrombocytes. Diadenosine polyphosphates (ApnA, n=2–7) have been identified as constituents of secretory vesicles such as in platelets, chromaffin cells, Torpedo synaptic terminals and brain synaptosomes[1][2].
IC_{50} & Target	Human Endogenous Metabolite

REFERENCES

[1]. 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.

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

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