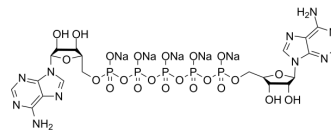


## Diadenosine pentaphosphate pentasodium

<b>Cat. No.:</b>	HY-113273A
<b>CAS No.:</b>	4097-04-5
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>24</sub> N <sub>10</sub> Na <sub>5</sub> O <sub>22</sub> P <sub>5</sub>
<b>Molecular Weight:</b>	1026.28
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

#### Description

Diadenosine pentaphosphate pentasodium 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<sup>[1][2]</sup>.

#### IC<sub>50</sub> & 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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