
Product Data Sheet

Product Name: Diadenosine pentaphosphate pentaammonium

Cat. No.: GC62929

Chemical Properties

Cas. No. 102783-61-9

Formula $C_{20}H_{44}N_{15}O_{22}P_5$

M.Wt

1001.52

Solubility

Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

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].

[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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