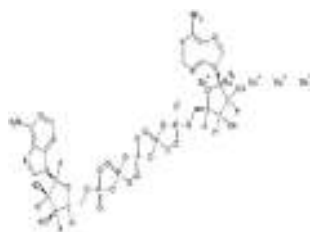


P1,P5-Di(adenosine-5')-pentaphosphate pentasodium salt

ALTERNATE NAME: Diadenosine pentaphosphate pentasodium salt
A(5')P5(5')A

CATALOG #: B2754-5 5 mg
B2754-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{20}H_{29}N_{10}O_{22}P_5 \cdot 5 Na$

MOLECULAR WEIGHT: 1026.28

CAS NUMBER: 4097-04-5

APPEARANCE: White to off-white solid

PURITY: $\geq 95\%$ by HPLC

SOLUBILITY: ~50 mg/ml Water

DESCRIPTION: P1,P5-di(adenosine-5')-pentaphosphate is a potent inhibitor of heat shock protein 78 in *Leishmania donovani* (LdHSP78). LdHSP78 is a putative ClpB protease, that is important for parasite infection of host macrophages and a potential therapeutic target. Enrichment of LdHSP78 in infected humans, hamsters and parasite amastigotes suggested its importance for disease persistence. It also activates 5'-nucleotidase and inhibits adenosine kinase activity in vitro.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

5-Iodotubercidin (B2721)
Adenylate Kinase (AK) Activity Assay Kit (Colorimetric/Fluorometric) (K350)
Adenosine kinase, Human Recombinant (P1234)
Human Recombinant AK2 (6386)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*