

Product Data Sheet

Product Name: 2'-Deoxyadenosine-5'-triphosphate trisodium

Cat. No.: GC62772

Chemical Properties

Cas. No. 54680-12-5

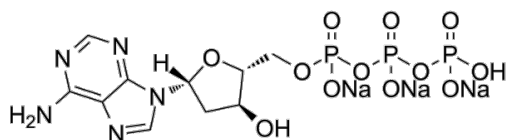
Formula $C_{10}H_{13}N_5Na_3O_{12}P_3$ M.Wt 557.13

Solubility H_2O : 250 mg/mL (448.73 mM; Need ultrasonic); DMSO : 4.55 mg/mL (8.17 mM; ultrasonic and warming and heat to 80°C) Storage Store at -20°C, protect from light

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

2'-Deoxyadenosine-5'-triphosphate trisodium (dATP trisodium) is a nucleotide used in cells for DNA synthesis (or replication), as a substrate of DNA polymerase[1].

[1]. P J Romaniuk, A study of the mechanism of T4 DNA polymerase with diastereomeric

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

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phosphorothioate analogues of deoxyadenosine triphosphate. J Biol Chem. 1982 Jul 10;257(13):7684-8.

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