

Product Data Sheet

Product Name: Sp-Adenosine-5'-O-(1-thiodiphosphate) (sodium salt)

Cat. No.: GC90894

Chemical Properties

Cas. No. 2005478-90-8

Formula $C_{10}H_{12}N_5O_9P_2S \cdot 3Na$

M.Wt 509.2

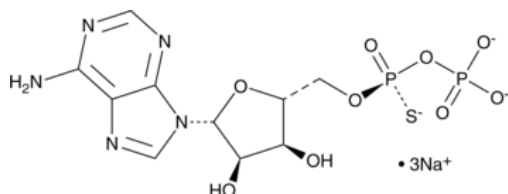
Solubility Water: Soluble

Storage Store at -80°C

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

Sp-Adenosine-5'-O-(1-thiodiphosphate) (Sp-ADP- α -S) is an isomer of the sulfur-containing nucleotide derivative ADP- α -S.¹ It is an inhibitor of phosphorylase kinase ($K_i = 0.53 \mu M$). Sp-ADP- α -S induces aggregation of isolated human platelets ($EC_{50} = 20 \mu M$).² It induces relaxation of carbamoylcholine-precontracted guinea pig taenia coli ($EC_{50} = 58.9 \mu M$).³

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

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