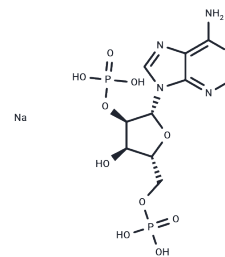


Adenosine 2',5'-diphosphate sodium

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 154146-84-6 |
| Formula: | C ₁₀ H ₁₅ N ₅ NaO ₁₀ P ₂ |
| Molecular Weight: | 450.192 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Adenosine 2',5'-diphosphate sodium is a competitive P2Y1 antagonist and exhibits non-selective antagonism at both recombinant and human platelet P2X1 receptors. |
| Targets(IC50) | Others,Endogenous Metabolite,P2Y Receptor |
| In vitro | Adenosine 2',5'-diphosphate non-selectively antagonizes the platelet P2X1 ion channel [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.2213 mL | 11.1064 mL | 22.2128 mL |
| 5 mM | 0.4443 mL | 2.2213 mL | 4.4426 mL |
| 10 mM | 0.2221 mL | 1.1106 mL | 2.2213 mL |
| 50 mM | 0.0444 mL | 0.2221 mL | 0.4443 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Boyer JL, et al. Identification of competitive antagonists of the P2Y1 receptor. Mol Pharmacol. 1996;50(5):1323-1329.

Toth-Zsamboki E, et al. The P2Y1 receptor antagonist adenosine-2',5'-diphosphate non-selectively antagonizes the platelet P2X1 ion channel. Thromb Haemost. 2001;86(5):1338-1339.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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