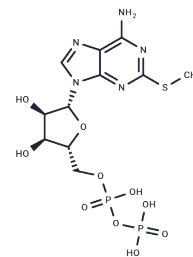


2-MeSADP

Chemical Properties

CAS No. :	34983-48-7
Formula:	C11H17N5O10P2S
Molecular Weight:	473.29
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	2-MeSADP (2-Methylthioadenosine diphosphate; 2-Methylthio-ADP) is a potent agonist of purinergic (P2Y) receptors, displaying EC50 values of 19 nM for human P2Y13, 6.2 nM for mouse P2Y13, and 5 nM for human P2Y12. It also has pEC50 values of 8.29 for human P2Y1 and 5.75 for rat P2Y6. 2-MeSADP induces platelet aggregation and morphological changes, while inhibiting the accumulation of cyclic adenosine monophosphate in platelets in the presence of prostaglandin E1.
Targets(IC50)	P2Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1129 mL	10.5643 mL	21.1287 mL
5 mM	0.4226 mL	2.1129 mL	4.2257 mL
10 mM	0.2113 mL	1.0564 mL	2.1129 mL
50 mM	0.0423 mL	0.2113 mL	0.4226 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481