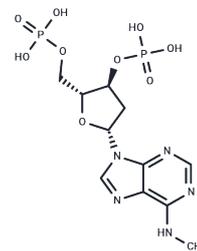


MRS2179

Chemical Properties

CAS No. : 101204-49-3
 Formula: C₁₁H₁₇N₅O₉P₂
 Molecular Weight: 425.23
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year


Biological Description

Description	MRS2179 is a competitive P2Y1 receptor antagonist (K _b = 100 nM) with no appreciable activity at P2Y2, P2Y4, or P2Y6 at concentrations up to 30 μM, or at P2Y12 and P2Y13. It inhibits ADP-induced platelet shape change and aggregation (pA ₂ = 6.55) in vitro and prolongs bleeding time in rats and mice compared to controls.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3517 mL	11.7583 mL	23.5167 mL
5 mM	0.4703 mL	2.3517 mL	4.7033 mL
10 mM	0.2352 mL	1.1758 mL	2.3517 mL
50 mM	0.047 mL	0.2352 mL	0.4703 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.

Reference

Zhuo T, Zhou S, Zhang W, Lambertucci C, Volpini R. Synthesis and Ability of New Ligands for G Protein-Coupled Receptors 17 (GPR17). Med Sci Monit. 2017 Feb 22;23:953-959. PubMed PMID: 28223679; PubMed Central PMCID:

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