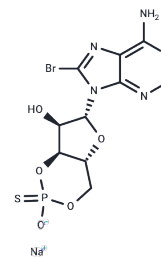


Rp-8-bromo-Cyclic AMPS (sodium salt)

Chemical Properties

CAS No. :	925456-59-3
Formula:	C10H10BrN5NaO5PS
Molecular Weight:	446.15
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	Rp-8-bromo-Cyclic AMPS (Rp-8-bromo-cAMPS) is a cell-permeable cAMP analog that combines an exocyclic sulfur substitution in the equatorial position of the cyclophosphate ring with a bromine substitution in the adenine base of cAMP. It acts as an antagonist of cAMP-dependent protein kinases (PKAs) and is resistant to hydrolysis by cyclic nucleotide phosphodiesterases. Rp-8-bromo-cAMPS more effectively antagonizes cAMP-dependent activation of purified PKA type I from rabbit muscle than PKA type II from bovine heart.
Targets(IC50)	Others,PKA

Solubility Information

Solubility	DMF: 30 mg/mL (67.24 mM),Sonication is recommended. DMSO: 25 mg/mL (56.03 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (22.41 mM),Sonication is recommended. Ethanol: 0.5 mg/mL (1.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2414 mL	11.207 mL	22.414 mL
5 mM	0.4483 mL	2.2414 mL	4.4828 mL
10 mM	0.2241 mL	1.1207 mL	2.2414 mL
50 mM	0.0448 mL	0.2241 mL	0.4483 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

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