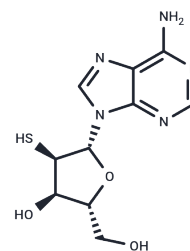


2'-Thioadenosine

Chemical Properties

CAS No. :	136904-69-3
Formula:	C ₁₀ H ₁₃ N ₅ O ₃ S
Molecular Weight:	283.31
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'-Thioadenosine (PD157432) serves as a selective and irreversible inhibitor of ErbB-1 and ErbB-2 tyrosine kinases, demonstrating an IC ₅₀ value of 45 μM against ErbB-2. It achieves covalent inactivation of ErbB-1 through modification of a cysteine residue within the enzyme's active site [1].
Targets(IC ₅₀)	EGFR
In vitro	2'-Thioadenosine (50 μM) shows no activity towards receptor tyrosine kinases of FGF, PDGF, and insulin [1], but it induces covalent inactivation of ErbB-1, reversible by 1 mM Dithiothreitol [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5297 mL	17.6485 mL	35.297 mL
5 mM	0.7059 mL	3.5297 mL	7.0594 mL
10 mM	0.353 mL	1.7649 mL	3.5297 mL
50 mM	0.0706 mL	0.353 mL	0.7059 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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