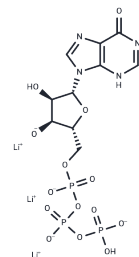


Inosine 5'-triphosphate lithium salt

Chemical Properties

CAS No. :	3056945-75-3
Formula:	C ₁₀ H ₁₁ Li ₄ N ₄ O ₁₄ P ₃
Molecular Weight:	531.90
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	Inosine-5'-triphosphate (ITP) lithium salt is a nucleotide analog that targets various G proteins. It interacts with the α subunit of G proteins, serving as a substitute for GTP in G protein-mediated signal transduction. By binding to the nucleotide site on the G protein α subunit, it influences the activity and function of G proteins. This compound is utilized to study the roles of G proteins in cellular physiology and pathological processes.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8801 mL	9.4003 mL	18.8005 mL
5 mM	0.376 mL	1.8801 mL	3.7601 mL
10 mM	0.188 mL	0.940 mL	1.8801 mL
50 mM	0.0376 mL	0.188 mL	0.376 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

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