

1-Methyladenosine-D

Chemical Properties

CAS No. :

Formula: C11H13D3IN5O4

Molecular Weight: 412.2

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	1-Methyladenosine-D is the deuterated form of 1-Methyladenosine. This compound is an RNA modification and serves as a tumor marker, with elevated levels in the body linked to cancer development. Methylated 1-Methyladenosine (T7571) can promote liver tumor development by upregulating PPAR δ expression, regulating cholesterol metabolism, and activating the Hedgehog signaling pathway.
Targets(IC50)	Hedgehog/Smoothened,Endogenous Metabolite,PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.426 mL	12.130 mL	24.2601 mL
5 mM	0.4852 mL	2.426 mL	4.852 mL
10 mM	0.2426 mL	1.213 mL	2.426 mL
50 mM	0.0485 mL	0.2426 mL	0.4852 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.

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