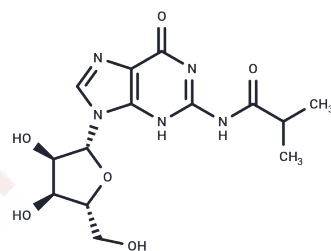


N2-Iso-Butyryl Guanosine

Chemical Properties

CAS No. :	64350-24-9
Formula:	C ₁₄ H ₁₉ N ₅ O ₆
Molecular Weight:	353.33
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	N2-Iso-Butyryl Guanosine is a nucleoside derivative suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: ≥ 80 mg/mL, 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	2.8302 mL	14.1511 mL	28.3022 mL
5 mM	0.566 mL	2.8302 mL	5.6604 mL
10 mM	0.283 mL	1.4151 mL	2.8302 mL
50 mM	0.0566 mL	0.283 mL	0.566 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.

Reference

Eiko Ohtsuka, et al. Studies on tRNA and Related Compounds. XXXVII. Synthesis and Physical Properties of 2'- or 3'-O-(o-Nitrobenzyl) nucleosides : the Use of o-Nitrophenyldiazomethane as a Synthetic Reagent. Chemical & Pharmaceutical Bulletin, 29(2), 318-324.

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