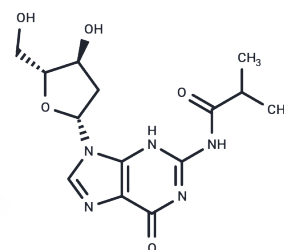


N2-Isobutyryl-2-deoxyguanosine

Chemical Properties

CAS No. :	68892-42-2
Formula:	C ₁₄ H ₁₉ N ₅ O ₅
Molecular Weight:	337.33
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	N2-Isobutyryl-2-deoxyguanosine (iBu-dG) is a nucleoside analog that can be used to synthesize oligonucleotides.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9645 mL	14.8223 mL	29.6446 mL
5 mM	0.5929 mL	2.9645 mL	5.9289 mL
10 mM	0.2964 mL	1.4822 mL	2.9645 mL
50 mM	0.0593 mL	0.2964 mL	0.5929 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

Schulhof JC, et al. The final deprotection step in oligonucleotide synthesis is reduced to a mild and rapid ammonia treatment by using labile base-protecting groups. *Nucleic Acids Res.* 1987 Jan 26;15(2):397-416.

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