

7-Iodo-7-deaza-2'-deoxyguanosine

Chemical Properties

CAS No. :	172163-62-1
Formula:	C ₁₁ H ₁₃ N ₄ O ₄
Molecular Weight:	392.15
Storage:	Keep away from direct sunlight 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	7-Iodo-7-deaza-2'-deoxyguanosine is a deoxyguanosine derivative used in DNA synthesis and sequencing reactions.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (255 mM),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	2.550 mL	12.7502 mL	25.5004 mL
5 mM	0.510 mL	2.550 mL	5.1001 mL
10 mM	0.255 mL	1.275 mL	2.550 mL
50 mM	0.051 mL	0.255 mL	0.510 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

Ronald Graham, et al. Nucleotide cleavable linkers and uses thereof. WO2020146397A1.
Sýkorová, V., et al., (2022). Polymerase Synthesis of DNA Containing Iodinated Pyrimidine or 7-Deazapurine Nucleobases and Their Post-synthetic Modifications through the Suzuki-Miyaura Cross-Coupling Reactions. Chembiochem : a European journal of chemical biology, 23(3), e202100608.

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