

6-Hydroxypurine-D4

Chemical Properties

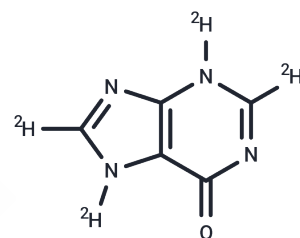
CAS No. :

Formula: C₅D₄H₀N₄O

Molecular Weight: 140.14

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

6-Hydroxypurine-D4 is a deuterated compound of 6-Hydroxypurine. 6-Hydroxypurine (T1362) has a CAS number of 68-94-0. Hypoxanthine, also known as purine-6-ol or Hyp, belongs to the class of organic compounds known as purines. Hypoxanthine is a naturally occurring purine derivative and a reaction intermediate in the metabolism of adenosine and in the formation of nucleic acids by the nucleotide salvage pathway. Under normal circumstances hypoxanthine is readily converted to uric acid. hypoxanthine is first oxidized to xanthine, which is further oxidized to uric acid by xanthine oxidase.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.1357 mL	35.6786 mL	71.3572 mL
5 mM	1.4271 mL	7.1357 mL	14.2714 mL
10 mM	0.7136 mL	3.5679 mL	7.1357 mL
50 mM	0.1427 mL	0.7136 mL	1.4271 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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