

1,1,3-Tribromoacetone

Chemical Properties

CAS No. : 3475-39-6

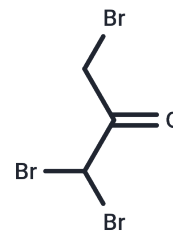
Formula: C₃H₃Br₃O

Molecular Weight: 294.77

Keep away from moisture, Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	1,1,3-Tribromoacetone (1,1,3-tribromo-2-propanone) is an impurity of methotrexate.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	DMSO: 80 mg/mL (271.4 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	3.3925 mL	16.9624 mL	33.9248 mL
5 mM	0.6785 mL	3.3925 mL	6.785 mL
10 mM	0.3392 mL	1.6962 mL	3.3925 mL
50 mM	0.0678 mL	0.3392 mL	0.6785 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

Ochiai, et al. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS OF 7β-[2-(2-AMINOTHIAZOL-4-YL) ACETAMIDO] -CEPHALOSPORIN DERIVATIVES I. SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF 7β-[2-ALKYLAND 2-HYDROXY-2-(2-AMINOTHIAZOL-4-YL)-ACETAMIDO] CEPHALOSPORINS. The Journal of Antibiotics 33.9 (1980): 1005-1013.

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