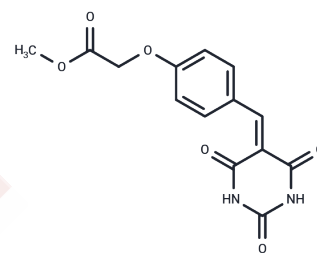


MtUng-IN-1

Chemical Properties

CAS No. :	359826-99-6
Formula:	C ₁₄ H ₁₂ N ₂ O ₆
Molecular Weight:	304.25
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	MtUng-IN-1 (Compound 18a) inhibits mycobacterial uracil DNA glycosylase (MtUng) with an IC ₅₀ value of 300 µM and is suitable for cancer and infectious disease research.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2868 mL	16.4339 mL	32.8677 mL
5 mM	0.6574 mL	3.2868 mL	6.5735 mL
10 mM	0.3287 mL	1.6434 mL	3.2868 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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

Kesharwani S, et al. Crystal structures of non-uracil ring fragments in complex with Mycobacterium tuberculosis uracil DNA glycosylase (MtUng) as a starting point for novel inhibitor design: A case study with the barbituric acid fragment. Eur J Med Chem. 2023 Oct 5;258:115604.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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