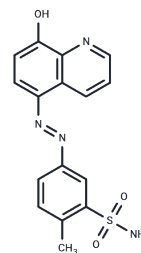


Glyoxalase I inhibitor 5

Chemical Properties

CAS No. :	2455508-17-3
Formula:	C ₁₆ H ₁₄ N ₄ O ₃ S
Molecular Weight:	342.37
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Glyoxalase I inhibitor 5 (Compound 9h) is an effective inhibitor of Glyoxalase-I (Glo-I) with an IC ₅₀ of 1.28 μM, applicable for cancer research.
Targets(IC ₅₀)	Glyoxalase

Solubility Information

Solubility	DMSO: 80 mg/mL (233.67 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	2.9208 mL	14.6041 mL	29.2082 mL
5 mM	0.5842 mL	2.9208 mL	5.8416 mL
10 mM	0.2921 mL	1.4604 mL	2.9208 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 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

Al-Oudat BA, et al. Design, synthesis and biological evaluation of novel glyoxalase I inhibitors possessing diazenylbenzenesulfonamide moiety as potential anticancer agents. *Bioorg Med Chem.* 2020;28(16):115608.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481