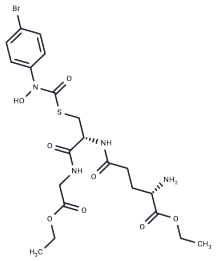
Data Sheet (Cat.No.T11432)

TargetMol

Glyoxalase I inhibitor free base

Chemical Properties



CAS No. : 174568-92-4

Formula: C21H29BrN4O8S

Molecular Weight: 577.45

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	Glyoxalase I inhibitor (free base), a candidate for anticancer agents, is a potent Glyoxalase I (GLO1) inhibitor.
Targets(IC50)	Others,Glyoxalase

Solubility Information

Solubility	DMSO: 46 mg/mL (79.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (3.46 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7318 mL	8.6588 mL	17.3175 mL
5 mM	0.3464 mL	1.7318 mL	3.4635 mL
10 mM	0.1732 mL	0.8659 mL	1.7318 mL
50 mM	0.0346 mL	0.1732 mL	0.3464 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

Bollong MJ, et al. A metabolite-derived protein modification integrates glycolysis with KEAP1-NRF2 signalling. Nature. 2018 Oct 15.

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