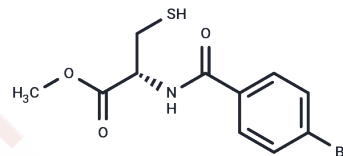


Cysteine thiol probe

Chemical Properties

CAS No. :	1947408-74-3
Formula:	C ₁₁ H ₁₂ BrNO ₃ S
Molecular Weight:	318.19
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	Cysteine thiol probe (Methyl (4-bromobenzoyl)-L-cysteinate) is a chemoselective thiol probe for detection of electrophilic metabolites
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 245 mg/mL (769.98 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: 5 mg/mL (15.71 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1428 mL	15.7139 mL	31.4278 mL
5 mM	0.6286 mL	3.1428 mL	6.2856 mL
10 mM	0.3143 mL	1.5714 mL	3.1428 mL
50 mM	0.0629 mL	0.3143 mL	0.6286 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

Castro-Falcón G, et al. Thiol Probes To Detect Electrophilic Natural Products Based on Their Mechanism of Action. ACS Chem Biol. 2016 Aug 19;11(8):2328-36.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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