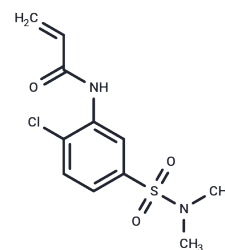


EN450

Chemical Properties

CAS No. :	793719-01-4
Formula:	C ₁₁ H ₁₃ ClN ₂ O ₃ S
Molecular Weight:	288.75
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	EN450 is a cysteine-responsive covalent molecular gel degrader of targeted NF-κB with antiproliferative and potentially anticancer activity, which acts through a dependence on Cullin E3 ligase and protease, and can be used to study leukemia.
Targets(IC50)	E1/E2/E3 Enzyme,NF-κB,Molecular Glues

Solubility Information

Solubility	DMSO: 100 mg/mL (346.32 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: 3.3 mg/mL (11.43 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	3.4632 mL	17.316 mL	34.632 mL
5 mM	0.6926 mL	3.4632 mL	6.9264 mL
10 mM	0.3463 mL	1.7316 mL	3.4632 mL
50 mM	0.0693 mL	0.3463 mL	0.6926 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

King EA, et al. Chemoproteomics-enabled discovery of a covalent molecular glue degrader targeting NF- κ B. Cell Chem Biol. 2023 Apr 20;30(4):394-402.e9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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