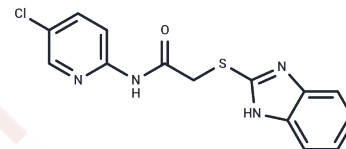


dCeMM3

Chemical Properties

CAS No. :	311787-85-6
Formula:	C ₁₄ H ₁₁ ClN ₄ O ₂ S
Molecular Weight:	318.78
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	dCeMM3 (2-(1H-benzimidazol-2-ylsulfanyl)-N-(5-chloropyridin-2-yl)acetamide) is a glue degrader. dCeMM3 prompts an interaction of CDK12-cyclin K with a CRL4B ligase complex, result in inducing ubiquitination and degradation of cyclin K.
Targets(IC50)	Others,CDK,Molecular Glues

Solubility Information

Solubility	DMSO: 45 mg/mL (141.16 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 (6.27 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	3.137 mL	15.6848 mL	31.3696 mL
5 mM	0.6274 mL	3.137 mL	6.2739 mL
10 mM	0.3137 mL	1.5685 mL	3.137 mL
50 mM	0.0627 mL	0.3137 mL	0.6274 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

Cristina Mayor-Ruiz, et al. Rational discovery of molecular glue degraders via scalable chemical profiling. Nat Chem Biol. 2020 Nov;16(11):1199-1207.

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