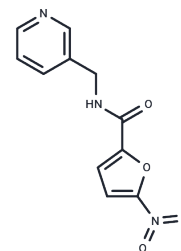


CCCI-01

Chemical Properties

CAS No. :	215778-97-5
Formula:	C ₁₁ H ₉ N ₃ O ₄
Molecular Weight:	247.21
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	CCCI-01(Centrosome Clustering Chemical Inhibitor-01) is a centrosome cluster inhibitor. CCCI-01 has anticancer activity, induces apoptosis, and can be used in the study of non-cross-resistant anticancer compounds that block centrosome clustering.
Targets(IC50)	Apoptosis,Others,Microtubule Associated

Solubility Information

Solubility	DMSO: 55 mg/mL (222.48 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 (8.09 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	4.0451 mL	20.2257 mL	40.4514 mL
5 mM	0.809 mL	4.0451 mL	8.0903 mL
10 mM	0.4045 mL	2.0226 mL	4.0451 mL
50 mM	0.0809 mL	0.4045 mL	0.809 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

Kawamura E, et al. Identification of novel small molecule inhibitors of centrosome clustering in cancer cells. Oncotarget. 2013 Oct;4(10):1763-76.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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