

rac-CCT-250863 HCl

## Chemical Properties

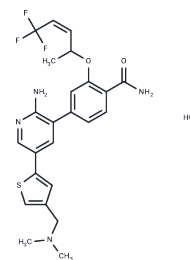
CAS No. :

Formula: C<sub>24</sub>H<sub>26</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>2</sub>S

Molecular Weight: 527

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	rac-CCT-250863 HCl is a selective and reversible inhibitor of NEK 2. rac-CCT-250863 HCl induces cell cycle arrest and has good anti-proliferative activity against cancer cells. rac-CCT-250863 HCl can be used in combination with Pomalidomide to induce apoptosis and can be used in combined anti-cancer studies.
Targets(IC50)	Apoptosis

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (42.69 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8975 mL	9.4877 mL	18.9753 mL
5 mM	0.3795 mL	1.8975 mL	3.7951 mL
10 mM	0.1898 mL	0.9488 mL	1.8975 mL
50 mM	0.038 mL	0.1898 mL	0.3795 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

Innocenti P, et al. Design of potent and selective hybrid inhibitors of the mitotic kinase Nek2: structure-activity relationship, structural biology, and cellular activity. J Med Chem. 2012 ; 55(7):3228-3241.

Ahsan A, et al. Methods for treating cancer with combination therapies. WO2021262962A1.

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