

IRC-083864

## Chemical Properties

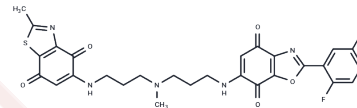
CAS No. : 1142057-18-8

Formula: C<sub>28</sub>H<sub>25</sub>F<sub>2</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 581.59

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	IRC-083864 is a novel bis quinone CDC25 phosphatase active inhibitor against human cancer cells.
Targets(IC50)	Others,Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7194 mL	8.5971 mL	17.1942 mL
5 mM	0.3439 mL	1.7194 mL	3.4388 mL
10 mM	0.1719 mL	0.8597 mL	1.7194 mL
50 mM	0.0344 mL	0.1719 mL	0.3439 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

Brezak MC, Valette A, Quaranta M, Contour-Galcera MO, Jullien D, Lavergne O, Frongia C, Bigg D, Kasprzyk PG, Prevost GP, Ducommun B. IRC-083864, a novel bis quinone inhibitor of CDC25 phosphatases active against human cancer cells. *Int J Cancer*. 2009 Mar 15;124(6):1449-56. doi: 10.1002/ijc.24080. PubMed PMID: 19065668.

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Bertoli S, Boutzen H, David L, Larrue C, Vergez F, Fernandez-Vidal A, Yuan L, Hospital MA, Tamburini J, Demur C, Delabesse E, Saland E, Sarry JE, Galcera MO, Mansat-De Mas V, Didier C, Dozier C, Récher C, Manenti S. CDC25A governs proliferation and differentiation of FLT3-ITD acute myeloid leukemia. *Oncotarget*. 2015 Nov 10;6(35):38061-78. doi: 10.18632/oncotarget.5706. PubMed PMID: 26515730; PubMed Central PMCID: PMC4741984.

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