

RDR03871

Chemical Properties

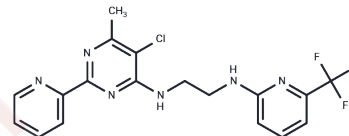
CAS No. : 286008-51-3

Formula: C₁₈H₁₆ClF₃N₆

Molecular Weight: 408.81

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	RDR03871 is an MDM2 inhibitor.
Targets(IC50)	Mdm2,MDM-2/p53
In vitro	RDR03871 dissociated the MDM2/p53 with IC50 of 12.9nM in quantitative sandwich immune-enzymatic assays.

Solubility Information

Solubility	DMSO: 4.09 mg/mL (10 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	2.4461 mL	12.2306 mL	24.4612 mL
5 mM	0.4892 mL	2.4461 mL	4.8922 mL
10 mM	0.2446 mL	1.2231 mL	2.4461 mL
50 mM	0.0489 mL	0.2446 mL	0.4892 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

Computer-Aided Identification and Lead Optimization of Dual Murine Double Minute 2 and 4 Binders: Structure-Activity Relationship Studies and Pharmacological Activity Mariateresa Giustiniano, Simona Daniele, Sveva Pelliccia, Valeria La Pietra, Deborah Pietrobono, Diego Brancaccio, Sandro Cosconati, Anna Messere, Stefano Giuntini, Linda Cerofolini, Marco Fragai, Claudio Luchinat, Sabrina Taliani, Giuseppe La Regina, Federico Da Settimo, Romano Silvestri, Claudia Martini, Ettore Novellino, and Luciana Marinelli Publication Date (Web): September 18, 2017 (Article) doi: 10.1021/acs.jmedchem.7b00912

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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