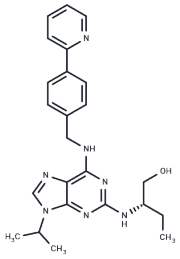
Data Sheet (Cat.No.T23577)

TargetMol

(S)-CR8

Chemical Properties



CAS No. : 1084893-56-0

Formula: C24H29N7O

Molecular Weight: 431.53

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	(S)-CR8 is an effective second-generation cyclin-dependent kinase inhibitor.
Targets(IC50)	Others,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3173 mL	11.5867 mL	23.1734 mL
5 mM	0.4635 mL	2.3173 mL	4.6347 mL
10 mM	0.2317 mL	1.1587 mL	2.3173 mL
50 mM	0.0463 mL	0.2317 mL	0.4635 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

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Skovira JW, Wu J, Matyas JJ, Kumar A, Hanscom M, Kabadi SV, Fang R, Faden AI. Cell cycle inhibition reduces inflammatory responses, neuronal loss, and cognitive deficits induced by hypobaria exposure following traumatic brain injury. J Neuroinflammation. 2016 Dec 1;13(1):299. PubMed PMID: 27903275; PubMed Central PMCID: PMC5131508.

Husson H, Moreno S, Smith LA, Smith MM, Russo RJ, Pitstick R, Sergeev M, Ledbetter SR, Bukanov NO, Lane M, Zhang K, Billot K, Carlson G, Shah J, Meijer L, Beier DR, Ibraghimov-Beskrovnaya O. Reduction of ciliary length through pharmacologic or genetic inhibition of CDK5 attenuates polycystic kidney disease in a model of nephronophthisis. Hum Mol Genet. 2016 Jun 1;25(11):2245-2255. Epub 2016 Apr 5. PubMed PMID: 27053712; PubMed Central PMCID: PMC5081056.