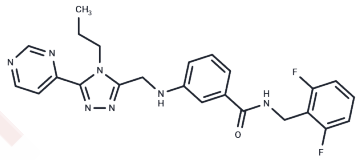
Data Sheet (Cat.No.T24850)

TargetMol

Takeda103A

Chemical Properties



CAS No. : 865609-72-9

Formula: C24H23F2N7O

Molecular Weight: 463.48

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	Takeda103A (CMPD103A) is the GRK2-dependent bovine tubulin oxidation effective inhibitor.
Targets(IC50)	Others,GRK

Solubility Information

Solubility	DMSO: 11 mg/mL (23.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1576 mL	10.788 mL	21.5759 mL
5 mM	0.4315 mL	2.1576 mL	4.3152 mL
10 mM	0.2158 mL	1.0788 mL	2.1576 mL
50 mM	0.0432 mL	0.2158 mL	0.4315 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

Waldschmidt HV, Homan KT, Cruz-Rodríguez O, et al. Structure-Based Design, Synthesis, and Biological Evaluation of Highly Selective and Potent G Protein-Coupled Receptor Kinase 2 Inhibitors. J Med Chem. 2016 Apr 28;59(8): 3793-807. doi: 10.1021/acs.jmedchem.5b02000. Epub 2016 Apr 13. PubMed PMID: 27050625.

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