

(S)-4-methyl-N-(3-(4-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl)-2-(pyrimidin-5-yl)-1,2,3,4-tetrahydroisoquinoline-7-carboxamide

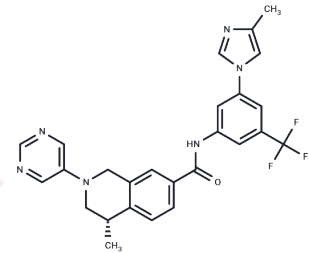
### Chemical Properties

CAS No. : 1934246-20-4

Formula: C<sub>26</sub>H<sub>23</sub>F<sub>3</sub>N<sub>6</sub>O

Molecular Weight: 492.5

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	MitoBloCK-6 is an effective inhibitor of Erv1/ALR with IC <sub>50</sub> values of 900 nM and 700 nM, respectively. Additionally, MitoBloCK-6 inhibits Erv2 (IC <sub>50</sub> =1.4 μM). It induces apoptosis in hESCs by promoting the release of cytochrome c.
Targets(IC <sub>50</sub> )	Discoidin Domain Receptor (DDR)

### Solubility Information

Solubility	DMSO: 45 mg/mL (91.37 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	2.0305 mL	10.1523 mL	20.3046 mL
5 mM	0.4061 mL	2.0305 mL	4.0609 mL
10 mM	0.203 mL	1.0152 mL	2.0305 mL
50 mM	0.0406 mL	0.203 mL	0.4061 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

Wang Z, Bian H, Bartual SG, Du W, Luo J, Zhao H, Zhang S, Mo C, Zhou Y, Xu Y, Tu Z, Ren X, Lu X, Brekken RA, Yao L, Bullock AN, Su J, Ding K. Structure-Based Design of Tetrahydroisoquinoline-7-carboxamides as Selective Discoidin Domain Receptor 1 (DDR1) Inhibitors. *J Med Chem.* 2016 Jun 23;59(12):5911-6. doi: 10.1021/acs.jmedchem.6b00140. Epub 2016 Jun 3. PMID: 27219676; PMCID: PMC5053573.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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