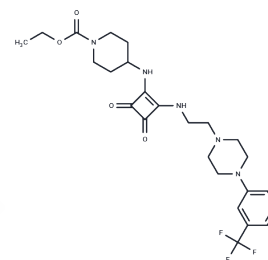


## squarunkinA

## Chemical Properties

CAS No. :	2101958-02-3
Formula:	C <sub>25</sub> H <sub>32</sub> F <sub>3</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	523.55
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	squarunkinA is a novel modulator of the UNC119-Cargo Interaction, potently and selectively inhibiting the binding of a myristoylated peptide representing the N-terminus of Src kinase to UNC119A
Targets(IC50)	Src
In vitro	Squarunkin A (2.5 μM, 0.625 μM, 0.078 μM, and 0.01 μM) treatment leads to a concentration-dependent reduction of Src phosphorylation. It does not target the lipoprotein-binding sites of other lipoprotein chaperones, such as PDE6d, AIPL1, and RhoGDI, which bind S-prenylated proteins. It binds to UNC119 in cell lysate and interferes with Src activation.

## Solubility Information

Solubility	DMSO: 5.24 mg/mL (10.01 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	1.910 mL	9.5502 mL	19.1004 mL
5 mM	0.382 mL	1.910 mL	3.8201 mL
10 mM	0.191 mL	0.955 mL	1.910 mL
50 mM	0.0382 mL	0.191 mL	0.382 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

Mejuch, Tom, Garivet, et al. Small-Molecule Inhibition of the UNC119-Cargo Interaction.[J]. Angewandte Chemie International Edition, 2017.

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