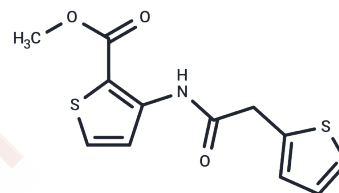


JNK-IN-11

## Chemical Properties

CAS No. : 676594-38-0  
 Formula: C<sub>12</sub>H<sub>11</sub>NO<sub>3</sub>S<sub>2</sub>  
 Molecular Weight: 281.35  
 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	JNK-IN-11 (compound 1) is a potent inhibitor of JNK, with IC <sub>50</sub> values of 2.2 μM, 21.4 μM, and 1.8 μM for JNK1, JNK2, and JNK3, respectively, showing potential for Alzheimer's and Parkinson's disease research.
Targets(IC <sub>50</sub> )	JNK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5543 mL	17.7715 mL	35.5429 mL
5 mM	0.7109 mL	3.5543 mL	7.1086 mL
10 mM	0.3554 mL	1.7771 mL	3.5543 mL
50 mM	0.0711 mL	0.3554 mL	0.7109 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

Hom RK, et al. Design and synthesis of disubstituted thiophene and thiazole based inhibitors of JNK. Bioorg Med Chem Lett. 2010 Dec 15;20(24):7303-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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