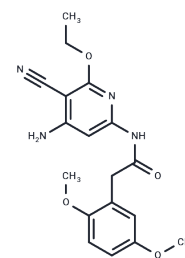


## JNK Inhibitor VIII

## Chemical Properties

CAS No. :	894804-07-0
Formula:	C <sub>18</sub> H <sub>20</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	356.38
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 Inhibitor VIII (TCS JNK 6o) is an ATP-competitive, selective inhibitor of c-Jun N-terminal kinase (JNK) with IC <sub>50</sub> values of 45 nM for JNK-1 and 160 nM for JNK-2.
Targets(IC <sub>50</sub> )	JNK

## Solubility Information

Solubility	DMSO: 25 mg/mL (70.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.61 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.806 mL	14.030 mL	28.0599 mL
5 mM	0.5612 mL	2.806 mL	5.612 mL
10 mM	0.2806 mL	1.403 mL	2.806 mL
50 mM	0.0561 mL	0.2806 mL	0.5612 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

Szczepankiewicz BG, et al. Aminopyridine-based c-Jun N-terminal kinase inhibitors with cellular activity and minimal cross-kinase activity. J Med Chem. 2006 Jun 15;49(12):3563-80.

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