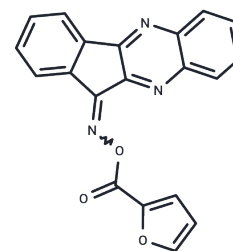


IQ-3

## Chemical Properties

CAS No. : 312538-03-7  
 Formula: C<sub>20</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 341.32  
 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	IQ3 is a selective inhibitor of JNK3(JNK3, JNK1 and JNK2 with Kd of 66 nM, 240 nM and 290 nM, respectively). IQ 3 inhibits NF-κB/AP1 transcriptional activity in THP1-Blue cells with IC50 of 1.4 μM, also inhibits TNF-α and IL-6 production in vitro.
Targets(IC50)	JNK

## Solubility Information

Solubility	DMSO: 3.42 mg/mL (10.02 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	2.9298 mL	14.649 mL	29.298 mL
5 mM	0.586 mL	2.9298 mL	5.8596 mL
10 mM	0.293 mL	1.4649 mL	2.9298 mL
50 mM	0.0586 mL	0.293 mL	0.586 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

Schetkin I A , Kirpotina L N , Khlebnikov A I , et al. Identification and Characterization of a Novel Class of c-Jun N-terminal Kinase Inhibitors[J]. Molecular Pharmacology, 2012, 81(6):832-845.

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