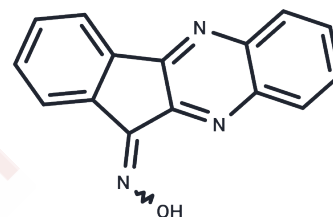


## IQ-1S free acid

## Chemical Properties

CAS No. :	23146-22-7
Formula:	C <sub>15</sub> H <sub>9</sub> N <sub>3</sub> O
Molecular Weight:	247.25
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	IQ-1S free acid (IQ-1S) is an effective and specific c-Jun N-Terminal Kinase Inhibitor. IQ-1S inhibits murine delayed-type hypersensitivity. IQ-1S can reduce inflammation and cartilage loss associated with CIA and can serve as a small-molecule modulator for mechanistic studies of JNK function in rheumatoid arthritis. IQ-1S is highly specific for JNK and that its neutral form is the most abundant species at physiologic pH.
Targets(IC50)	NF-κB,JNK

## Solubility Information

Solubility	DMSO: 18.33 mg/mL (74.15 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	4.0445 mL	20.2224 mL	40.4449 mL
5 mM	0.8089 mL	4.0445 mL	8.089 mL
10 mM	0.4044 mL	2.0222 mL	4.0445 mL
50 mM	0.0809 mL	0.4044 mL	0.8089 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.

## Reference

- Igor A. Schepetkin et al. J Pharmacol Exp Ther, 2015 Jun, 353(3): 505-516.  
 Schepetkin IA, et al. Mol Pharmacol. 2012 Jun;81(6):832-45.  
 Igor A. Schepetkin et al. Mol Pharmacol, 2012 Jun, 81(6): 832-845.

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