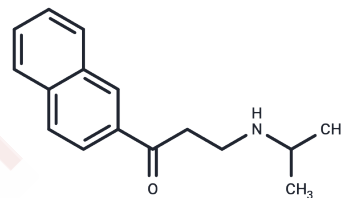


## JAK 3 inhibitor IV

## Chemical Properties

CAS No. :	58753-54-1
Formula:	C <sub>16</sub> H <sub>19</sub> NO
Molecular Weight:	241.33
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	JAK 3 inhibitor IV (ZM 39923 hydrochloride) is a JAK1/3 inhibitor with pIC <sub>50</sub> of 4.4/7.1, almost no activity to JAK2 and modestly potent to EGFR; also found to be sensitive to transglutaminase.
Targets(IC <sub>50</sub> )	EGFR, Glutaminase, JAK

## Solubility Information

Solubility	DMSO: 36.8 mg/mL (152.49 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	4.1437 mL	20.7185 mL	41.437 mL
5 mM	0.8287 mL	4.1437 mL	8.2874 mL
10 mM	0.4144 mL	2.0719 mL	4.1437 mL
50 mM	0.0829 mL	0.4144 mL	0.8287 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

Brown GR, et al. Bioorg Med Chem Lett. 2000, 10(6), 575-579.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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