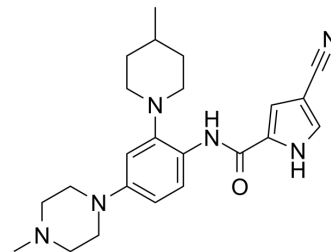


c-Fms-IN-3

Cat. No.:	HY-13075
CAS No.:	885704-21-2
Molecular Formula:	C ₂₃ H ₃₀ N ₆ O
Molecular Weight:	406.52
Target:	c-Fms
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (61.50 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.4599 mL	12.2995 mL	24.5990 mL
		5 mM		0.4920 mL	2.4599 mL	4.9198 mL
		10 mM		0.2460 mL	1.2300 mL	2.4599 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.15 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	c-Fms-IN-3 is a novel c-Fms kinase inhibitor with a potential as anti-inflammatory agent and antirheumatic agent.
IC ₅₀ & Target	c-Fms.

CUSTOMER VALIDATION

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REFERENCES

- [1]. Meegalla, Sanath K.; Wall, Mark J.; Chen, Jinsheng et al. Structure-based optimization of a potent class of arylamide FMS inhibitors. *Bioorganic & Medicinal Chemistry Letters* (2008), 18(12), 3632-3637.
- [2]. Illig, Carl R.; Chen, Jinsheng; Wall, Mark J. et al. Discovery of novel FMS kinase inhibitors as anti-inflammatory agents. *Bioorganic & Medicinal Chemistry Letters* (2008), 18(5), 1642-1648.
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Caution: Product has not been fully validated for medical applications. For research use only.

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