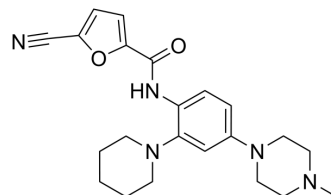


c-Fms-IN-1

Cat. No.:	HY-18791
CAS No.:	885703-64-0
Molecular Formula:	C ₂₂ H ₂₇ N ₅ O ₂
Molecular Weight:	393.48
Target:	c-Fms
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 5 mg/mL (12.71 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5414 mL	12.7071 mL	25.4143 mL
				5 mM	0.5083 mL	2.5414 mL	5.0829 mL
				10 mM	0.2541 mL	1.2707 mL	2.5414 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.5 mg/mL (1.27 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.5 mg/mL (1.27 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	c-Fms-IN-1 is a FMS kinase inhibitor with an IC ₅₀ of 0.0008 μM ^[1] .
IC ₅₀ & Target	FMS kinase ^[1]

REFERENCES

[1]. Illig CR, et al. Discovery of novel FMS kinase inhibitors as anti-inflammatory agents. Bioorg Med Chem Lett. 2008 Mar 1;18(5):1642-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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