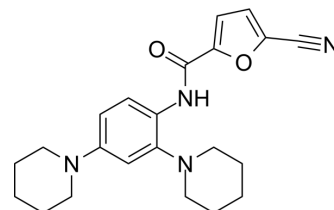


c-Fms-IN-13

Cat. No.:	HY-148181
CAS No.:	885704-58-5
Molecular Formula:	C ₂₂ H ₂₆ N ₄ O ₂
Molecular Weight:	378.47
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 : 31.25 mg/mL (82.57 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6422 mL	13.2111 mL	26.4222 mL
	5 mM	0.5284 mL	2.6422 mL	5.2844 mL
	10 mM	0.2642 mL	1.3211 mL	2.6422 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

c-Fms-IN-13 (compound 14) is a potent FMS kinase inhibitor with an IC₅₀ value of 17 nM. c-Fms-IN-13 can be used as an anti-inflammatory agent^[1].

IC₅₀ & Target

IC₅₀: 17 nM (FMS)^[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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