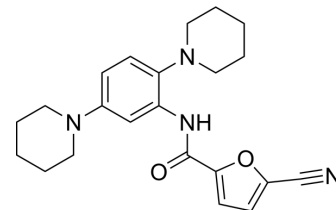


cFMS Receptor Inhibitor IV

Cat. No.:	HY-112455
CAS No.:	959626-45-0
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; ultrasonic and warming and heat to 60°C)

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

cFMS Receptor Inhibitor IV (Compound 42) is a potent cFMS inhibitor with an IC₅₀ of 0.017 μM^[1].

IC₅₀ & Target

IC₅₀: 0.017 μM (cFMS)^[1]

REFERENCES

[1]. Patch RJ, et al. Potent 2'-aminoanilide inhibitors of cFMS as potential anti-inflammatory agents. *Bioorg Med Chem Lett*. 2007 Nov 15;17(22):6070-4.

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

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