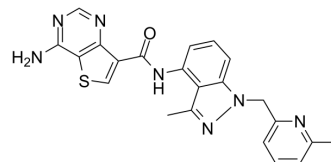


c-Fms-IN-10

Cat. No.:	HY-126297		
CAS No.:	1527517-50-5		
Molecular Formula:	C ₂₂ H ₁₉ N ₇ OS		
Molecular Weight:	429.5		
Target:	c-Fms		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (23.28 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3283 mL	11.6414 mL	23.2829 mL
		5 mM	0.4657 mL	2.3283 mL	4.6566 mL
10 mM		0.2328 mL	1.1641 mL	2.3283 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1 mg/mL (2.33 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1 mg/mL (2.33 mM); Suspended solution; Need ultrasonic 				

BIOLOGICAL ACTIVITY

Description	c-Fms-IN-10 is the derivative of thieno [3,2-d] pyrimidine, an kinase inhibitor of FMS (Colony stimulating factor-1 receptor, CSF-1R) with IC ₅₀ of 2 nM. c-Fms-IN-10 has anti-tumor activity ^[1] .
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REFERENCES

[1]. Kim YY et al. Synthesis and evaluation of thieno[3,2-d]pyrimidine derivatives as novel FMS inhibitors. Bioorg Med Chem Lett. 2019 Jan 15;29(2):271-275.

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

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