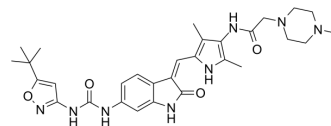


CSF1R-IN-3

Cat. No.:	HY-139990		
CAS No.:	2760584-90-3		
Molecular Formula:	C ₃₀ H ₃₈ N ₈ O ₄		
Molecular Weight:	574.67		
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 : 62.5 mg/mL (108.76 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7401 mL	8.7006 mL	17.4013 mL
5 mM	0.3480 mL	1.7401 mL	3.4803 mL
10 mM	0.1740 mL	0.8701 mL	1.7401 mL

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

BIOLOGICAL ACTIVITY

Description

CSF1R-IN-3 (compound 21) is a potent and orally active CSF-1R inhibitor (IC₅₀=2.1 nM). CSF1R-IN-3 is a potent antiproliferative activity against colorectal cancer cells. CSF1R-IN-3 inhibits the progression of colorectal cancer by suppressing the migration of macrophages, reprogramming M2-like macrophages to the M1 phenotype, and enhancing the antitumor immunity^[1].

REFERENCES

[1]. Lv Q, et al. Discovery of (Z)-1-(3-((1H-Pyrrol-2-yl)methylene)-2-oxoindolin-6-yl)-3-(isoxazol-3-yl)urea Derivatives as Novel and Orally Highly Effective CSF-1R Inhibitors for Potential Colorectal Cancer Immunotherapy. *J Med Chem.* 2021;64(23):17184-17208.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA