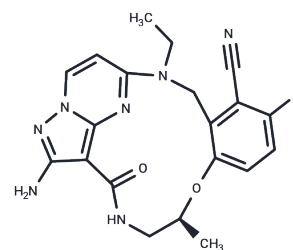


CSF1R-IN-2

Chemical Properties

CAS No. :	2271119-26-5
Formula:	C ₂₀ H ₂₀ FN ₇ O ₂
Molecular Weight:	409.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CSF1R-IN-2 is an oral-active SRC, MET and c-FMS inhibitor (IC ₅₀ s: 0.12 nM, 0.14 nM and 0.76 nM for SRC, MET and c-FMS respectively).
Targets(IC ₅₀)	c-Fms,c-Met/HGFR,Src
In vitro	The suppression of MET autophosphorylation as well as the downstream STAT3 caused by CSF1R-IN-2, ERK and AKT phosphorylation at IC ₅₀ values of around 1-3 nM in SNU-5 and MKN-45 cell lines.
In vivo	In mice, CSF1R-IN-2 (p.o., BID, 13 days) treatment results in an 85% tumor regression, and no bodyweight loss is observed after 21 days of treatment. In SCID/Beige mice. CSF1R-IN-2 (p.o., BID, 10 days) demonstrates the ability to inhibit tumor growth at 44% and 67% at the dose of 5 mg/kg, BID, and 15 mg/kg, BID, respectively. In mice, CSF1R-IN-2 inhibits MET activity in MKN-45 tumors following oral administration.

Solubility Information

Solubility	DMSO: 25 mg/mL (61.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4425 mL	12.2124 mL	24.4248 mL
5 mM	0.4885 mL	2.4425 mL	4.885 mL
10 mM	0.2442 mL	1.2212 mL	2.4425 mL
50 mM	0.0488 mL	0.2442 mL	0.4885 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

WO 2019023417 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481