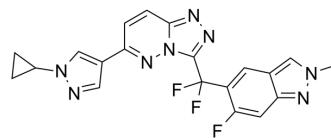


Bozitinib

Cat. No.:	HY-125017		
CAS No.:	1440964-89-5		
Molecular Formula:	C ₂₀ H ₁₅ F ₃ N ₈		
Molecular Weight:	424.38		
Target:	c-Met/HGFR		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (117.82 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.3564 mL	11.7819 mL	23.5638 mL
		5 mM		0.4713 mL	2.3564 mL	4.7128 mL
10 mM			0.2356 mL	1.1782 mL	2.3564 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.90 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.90 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.90 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Bozitinib (PLB-1001) is a highly selective c-MET kinase inhibitor with blood-brain barrier permeability. Bozitinib (PLB-1001) is an ATP-competitive small-molecule inhibitor, binds to the conventional ATP-binding pocket of the tyrosine kinase superfamily ^[1] .
In Vitro	Bozitinib (PLB-1001) (30 μM; 6 hours) inhibits the phosphorylation of MET and STAT3, has a robust inhibitory effect of PLB-1001 on MET and its downstream signaling pathways. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis^[1]

Cell Line:	Human astrocytes (HA) cells
Concentration:	30 μ M
Incubation Time:	6 hours
Result:	Decreased p-STAT3,p-MET expression.

CUSTOMER VALIDATION

- Cell Rep Med. 2023 Jan 10;100911.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Hu H, et al. Mutational Landscape of Secondary Glioblastoma Guides MET-Targeted Trial in Brain Tumor. Cell. 2018 Nov 29;175(6):1665-1678.e18.

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