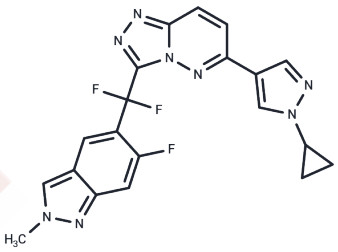
Data Sheet (Cat.No.T10585)

TargetMol

Bozitinib

Chemical Properties



CAS No. : 1440964-89-5

Formula: C20H15F3N8

Molecular Weight: 424.38

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Bozitinib (PLB-1001) (PLB-1001) is a highly selective inhibitor of the c-MET kinase with blood-brain barrier permeability. Bozitinib binds to the conventional ATP-binding pocket of the tyrosine kinase superfamily.
Targets(IC50)	c-Met/HGFR
In vitro	Bozitinib (30 μM; 6 hours) inhibits the phosphorylation of MET and STAT3. Bozitinib has a robust inhibitory effect on MET and its downstream signaling pathways.

Solubility Information

Solubility	DMSO: 47 mg/mL (110.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0471 mL	0.2356 mL	0.4713 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

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.

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