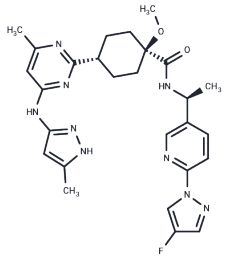
Data Sheet (Cat.No.T10823)

TargetMol

trans-Pralsetinib

Chemical Properties



CAS No. : 2097132-93-7

Formula: C27H32FN9O2

Molecular Weight: 533.6

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	trans-Pralsetinib (trans-BLU-667) is a potent inhibitor of the RET (Rearranged during Transfection) kinase. This compound originates from Compound Example 129 in patent US20170121312A1. RET is a receptor tyrosine kinase whose genetic rearrangements or mutations are key drivers in various cancers, including non-small cell lung cancer (NSCLC) and medullary thyroid cancer. By inhibiting RET kinase activity, trans-Pralsetinib blocks downstream oncogenic signaling pathways, thereby exerting anti-tumor effects.
Targets(IC50)	c-RET

Solubility Information

Solubility	DMSO: 80 mg/mL (149.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8741 mL	9.3703 mL	18.7406 mL
5 mM	0.3748 mL	1.8741 mL	3.7481 mL
10 mM	0.1874 mL	0.937 mL	1.8741 mL
50 mM	0.0375 mL	0.1874 mL	0.3748 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Jason D. Brubaker, et al. Inhibitors of ret. US20170121312A1.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481