

CA-170

Chemical Properties

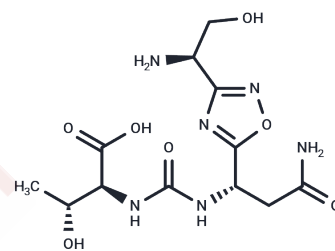
CAS No. : 1673534-76-3

Formula: C₁₂H₂₀N₆O₇

Molecular Weight: 360.32

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	CA-170 is an orally bioavailable dual inhibitor of VISTA and PD-L1 that selectively restores T-cell proliferation and effector function suppressed by immune checkpoint signaling, while demonstrating minimal off-target activity across a broad receptor and enzyme panel, making CA-170 a valuable compound for immuno-oncology research and immune checkpoint modulation studies.
Targets(IC50)	Others,PD-1/PD-L1
In vitro	PD-1 is a co-receptor that is expressed predominantly by T cells. The binding of PD-1 to its ligands, PD-L1 or PD-L2, is important for the physiological regulation of the immune system[1].
In vivo	In preclinical studies using syngeneic mouse tumor models (e.g., colorectal cancer and melanoma), oral administration of CA-170 inhibits tumor growth [1].

Solubility Information

Solubility	DMSO: 24 mg/mL (66.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7753 mL	13.8766 mL	27.7531 mL
5 mM	0.5551 mL	2.7753 mL	5.5506 mL
10 mM	0.2775 mL	1.3877 mL	2.7753 mL
50 mM	0.0555 mL	0.2775 mL	0.5551 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

Pottayil Govindan Nair Sasikumar, et al. 1,2,4-oxadiazole derivatives as immunomodulators. WO2015033299A1.

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:34 Washington Street,Wellesley Hills,MA 02481