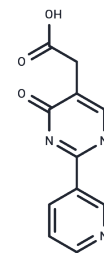


CAY10781

Chemical Properties

CAS No. : 1210360-87-4
 Formula: C₁₁H₉N₃O₃
 Molecular Weight: 231.21
 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	CAY10781 is an inhibitor of the protein-protein interaction between neuropilin-1 (NRP-1) and VEGF-A. It inhibits the interaction by 43% when used at a concentration of 12.5 μM. CAY10781 also inhibits VEGF-A-induced phosphorylation of VEGFR2 in catecholamine A-differentiated (CAD) cells when used at the same concentration.
Targets(IC50)	Others, VEGFR

Solubility Information

Solubility	DMF: Insoluble PBS (pH 7.2): Insoluble Ethanol: Insoluble DMSO: 10 mg/mL (43.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3251 mL	21.6254 mL	43.2507 mL
5 mM	0.865 mL	4.3251 mL	8.6501 mL
10 mM	0.4325 mL	2.1625 mL	4.3251 mL
50 mM	0.0865 mL	0.4325 mL	0.865 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

Perez-Miller, S., Patek, M., Moutal, A., et al. In silico identification and validation of inhibitors of the interaction between neuropilin receptor 1 and SARS-CoV-2 Spike protein. *bioRxiv* 308783 (2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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