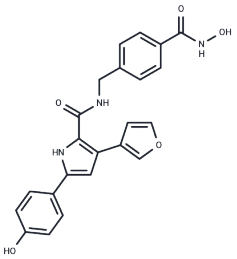
Data Sheet (Cat.No.T35661)

TargetMol

QTX125

Chemical Properties



CAS No. : 1279698-31-5

Formula: C23H19N3O5

Molecular Weight: 417.41

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	QTX125, a powerful and highly specific HDAC6 inhibitor, demonstrates exceptional selectivity in comparison to other HDACs, resulting in robust antitumor activity[1].
Targets(IC50)	Apoptosis,Others,HDAC
In vitro	QTX125 (25-500 nM; 24-48 hours) treatment induces apoptosis, evidenced by annexin V/propidium iodide double staining and cleavage of caspase-9, caspase-8, caspase-3, and PARP[1]. In MCL cell lines MINO, REC-1, IRM-2, and HBL-2, QTX125 (10 nM, 10 μM, 100 μM) induces dose-dependent hyperacetylation of α-tubulin[1]. QTX125 exhibits the strongest growth-inhibitory effects in Burkitt cell lymphoma, follicular lymphoma, and mantle cell lymphoma (MCL)[1].
In vivo	QTX125 (60 mg/kg; i.p.; daily for 5 days; for 4 weeks) treatment inhibits tumor growth in REC-1 or MINO xenografts in nude mice[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3957 mL	11.9786 mL	23.9573 mL
5 mM	0.4791 mL	2.3957 mL	4.7915 mL
10 mM	0.2396 mL	1.1979 mL	2.3957 mL
50 mM	0.0479 mL	0.2396 mL	0.4791 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

Montserrat Pérez-Salvia, et al. In vitro and in vivo activity of a new small-molecule inhibitor of HDAC6 in mantle cell lymphoma. Haematologica. 2018 Nov;103(11):e537-e540.