

Product Data Sheet

Product Name: QTX125
Cat. No.: GC62411

Chemical Properties

Cas. No. 1279698-31-5

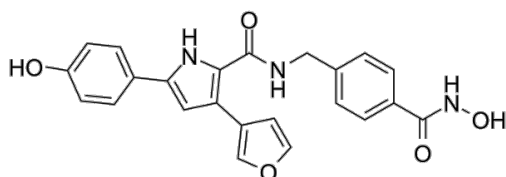
Formula $C_{23}H_{19}N_3O_5$ M.Wt 417.41

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

QTX125 is a potent and highly selective HDAC6 inhibitor. QTX125 exhibits excellent selectivity over other HDACs. QTX125 has antitumor effects[1].

QTX125 (25-500 nM; 24-48 hours) treatment induces the subsequent apoptosis demonstrated by annexin V/propidium iodide double staining and the cleavage of caspase-9, caspase-8, caspase-3, and PARP[1]. In MCL cell lines MINO, REC-1, IRM-2 and HBL-2 cells, QTX125 (10 nM, 10 µM, 100 µM) induces dose-dependent hyperacetylation of α-tubulin[1]. QTX125 has the strongest growth-inhibitory effect in Burkitt cell lymphoma, follicular lymphoma, and mantle cell lymphoma (MCL)[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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QTX125 (60 mg/kg; i.p.; daily dosing for 5 days; for 4 weeks) treatment inhibits tumor growth in REC-1 or MINO cells xenografted in nude mice[1].

[1]. 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.

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