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## Product Data Sheet

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Product Name: QTX125 TFA

Cat. No.: GC63730

### Chemical Properties

Cas. No.

Formula  $C_{25}H_{20}F_3N_3O_7$

M.Wt 531.44

Solubility DMSO : 125 mg/mL (235.21 mM; Need ultrasonic) 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 TFA is a potent and highly selective HDAC6 inhibitor. QTX125 TFA exhibits excellent selectivity over other HDACs. QTX125 has antitumor effects[1].

QTX125 (25-500 nM; 24-48 hours) TFA 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 TFA (10 nM, 10 μM, 100 μM) induces dose-dependent hyperacetylation of α-tubulin[1]. QTX125 TFA has the strongest growth-inhibitory effect in Burkitt cell lymphoma, follicular lymphoma, and mantle cell lymphoma (MCL)[1].

QTX125 TFA (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.

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

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