

Product Data Sheet

Product Name: M435-1279

Cat. No.: GC63363

Chemical Properties

Cas. No. 1359431-16-5

Formula $C_{18}H_{17}N_3O_5S_2$

M.Wt 419.47

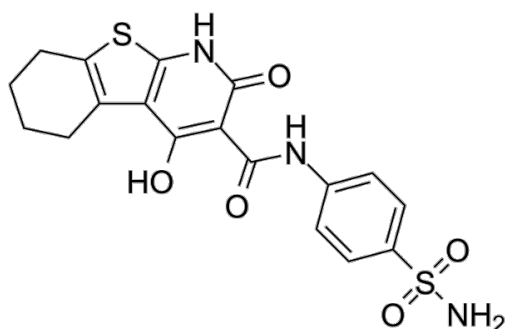
Solubility

Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

M435-1279 is a UBE2T inhibitor. M435-1279 inhibits the Wnt/ β -catenin signaling pathway hyperactivation through blocking UBE2T-mediated degradation of RACK1[1].

M435-1279 (0, 2, 4, 8, 16, 31 μM ; 48 h) significantly inhibits the growth of HGC27, AGS, and MKN45 cells[1]. M435-1279 (0, 4, 8, 12, 16, 20 μM) inhibits the cell viability with IC_{50} s of 16.8, 11.88, 6.93, 7.76 μM of GES-1, HGC27, MKN45, AGS cells, respectively[1]. M435-1279 (31 nM to 500 μM) binds to UBE2T with a K_D value of 50.5 μM [1]. M435-1279 (11.88 μM ; 48 h) inhibits the ubiquitination of RACK1 and the hyperactivation of the Wnt/ β -catenin pathway[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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M435-1279 (5 mg/kg/day; intratumor injection for 18 days) slows the tumor growth[1]. M435-1279 induces higher RACK1 proteins expression, and lower Ki-67 and β -catenin proteins expression in intratumor tumors[1].

[1]. Yu Z, et al. A novel UBE2T inhibitor suppresses Wnt/ β -catenin signaling hyperactivation and gastric cancer progression by blocking RACK1 ubiquitination. *Oncogene*. 2021 Feb;40(5):1027-1042. doi: 10.1038/s41388-020-01572-w. Epub 2020 Dec 15. Erratum in: *Oncogene*. 2021 Apr;40(14):2622-2623.

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