

Product Data Sheet

Product Name: WWZ-11-098

Cat. No.: GC81522

Chemical Properties

Cas. No.

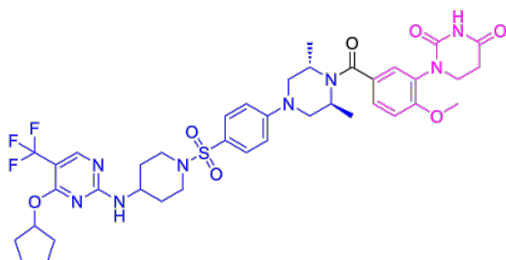
Formula $C_{39}H_{47}F_3N_8O_7S$ M.Wt 828.9

Solubility DMSO: 100 mg/mL (120.64 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

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

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WWZ-11-098 is a selective CDK6 PROTAC degrader with DC_{50} of 2.6 nM. WWZ-11-098 induces degradation of CDK6 in a CRBN-dependent manner, while sparing CDK1, CDK2, CDK4, and CDK9. WWZ-11-098 induces apoptosis, G1-S cell cycle arrest and shows anti-proliferative activity in cancer cells. WWZ-11-098 exhibits antitumor efficacy in a xenograft model without signs of toxicity. WWZ-11-098 can be used for the research of leukemia ^[1]. (Pink: CDK6 ligand; Blue: Cereblon E3 ligase ligand; Black: linker).

In Vivo, WWZ-11-098 (10 mg/kg; i.v.; daily; 21 consecutive days) drives robust, well-tolerated tumor growth inhibition in MOLT-4 xenografts mice model^[1].

In Vitro, WWZ-11-098 (5 days) potently inhibits the proliferation of MOLT-4 cells (IC_{50} = 70 nM) and MV4-11 cells (IC_{50} = 0.13 μ M)^[1]. WWZ-11-098 (10 nM-10 μ M; 3-24 h) potently and selectively degrades CDK6 in MOLT-4 cells with a DC_{50} of 2.6 nM, achieving over 98% degradation at 100 nM for 24 h, while sparing CDK1, CDK2, CDK4, and CDK9, via a CRBN-dependent mechanism^[1]. WWZ-11-098 (100-200 nM; 48 h) induces G1-S cell cycle arrest and induces apoptosis in MOLT-4 cells^[1].

References:

[1]. Zhang W, et al. Discovery of WWZ-11-098: a rigid and selective CDK6 degrader. Eur J Med Chem. 2026;305:118569.

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