

## Product Data Sheet

Product Name: ASTX660

Cat. No.: GC32803

### Chemical Properties

Cas. No. 1799328-86-1

SMILES C[C@H]1N(C[C@@H]2N(CC(N3CC(C)(C)C4=NC(CO)=C(CC5=CC=C(F)C=C5)C=C43)=O)C[C@@H](C)NC2)CCOC1

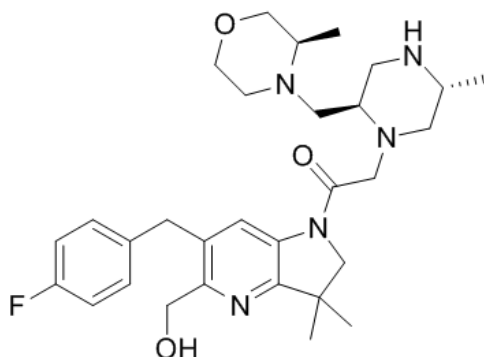
Formula  $C_{30}H_{42}FN_5O_3$  M.Wt 539.68

Solubility DMSO :  $\geq 50$  mg/mL (92.65 mM) Storage Store at  $-20^{\circ}\text{C}$

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

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

Structure



### Background

ASTX660 is an orally bioavailable dual antagonist of cellular inhibitor of apoptosis protein (cIAP) and X-linked inhibitor of apoptosis protein (XIAP).

ASTX660 is an orally bioavailable dual antagonist of cIAP and XIAP, currently being investigated in a single-agent Phase 1/2 clinical trial in patients with advanced solid tumors and lymphomas. Twenty-

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

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one triple-negative breast cancer (TNBC) cell lines are treated with ASTX660 in vitro and it is found that 43% are sensitive to ASTX660[1].

In HCC1806 xenografts in mice, ASTX660 (daily oral treatment) causes moderate tumor growth inhibition but not regression[1].

[1]. Tomoko Smyth, et al. Abstract 1287: The dual IAP antagonist, ASTX660, increases the anti-tumor activity of paclitaxel in preclinical models of triple-negative breast cancer in vivo. Cancer Res 2016;76(14 Suppl).

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