
Product Data Sheet

Product Name: A 410099.1

Cat. No.: GC50465

Chemical Properties

Cas. No. 762274-58-8

SMILES CN[C@H](C(N[C@H](C(N1CCC[C@H]1C(N[C@@H]2CCCC3=CC=CC=C23)=O)=O)C4CCCCC4)=O)C.Cl

Formula C₂₇H₄₀N₄O₃.HCl M.Wt 505.09

Solubility Soluble in DMSO 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**

High affinity XIAP antagonist (K_d = 16 nM for the BIR3 domain of XIAP). Exhibits cytotoxicity in a wide range of cancer cell lines in vitro (EC₅₀ = 13 nM in MDA-MB-231 cells). Also displays antitumor activity in a mouse breast cancer xenograft model. Enhances TRAIL-induced apoptosis in chronic lymphocytic leukemia (CLL) cells.

Oost et al (2004) Discovery of potent antagonists of the antiapoptotic protein XIAP for the treatment of cancer. J.Med.Chem. 47 4417 PMID:15317454 |Loeder et al (2009) A novel paradigm to trigger apoptosis in chronic lymphocytic leukemia. Cancer Res. 69 8977 PMID:19920200

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

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