
Product Data Sheet

Product Name: AEG 40730 dihydrochloride

Cat. No.: GC50146

Chemical Properties

Cas. No. 1883545-50-3

SMILES O=C([C@H](C)NC)N[C@@H]([C@H](OCC#CC#CCO[C@H](C)[C@H](NC([C@H](C)NC)=O)C(N2[C@H](CN(CCC3=CC=CC=C3)C(C(F)(F)F)=O)CCC2)=O)C)C(N1[C@H](CN(C(C(F)(F)F)=O)CCC4=CC=CC=C4)CCC1)=O.Cl.Cl

Formula C₅₂H₆₈F₆N₈O₈.2HCl M.Wt 1120.06

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**

IAP antagonist; binds to the BIR3 domain of cIAP1, cIAP2 and XIAP with nanomolar affinity. Reduces cIAP1, cIAP2 and XIAP protein levels in human breast cancer MDA-MB-231 cells. Induces apoptosis in combination with TNF, and potentiates TRAIL-mediated apoptosis in human colorectal carcinoma HCT 116 cells. Cell permeable.

Beug et al (2014) Smac mimetics and innate immune stimuli synergize to promote tumor death. Nat. Biotechnol. 32 182 PMID:24463573 | Galbán et al (2009) Cytoprotective effects of IAPs revealed by a small molecule antagonist. Biochem. J. 417 765 PMID:18851715 | Bertrand et al (2008) cIAP1 and cIAP2 facilitate cancer cell survival by functioning as E3 ligases that promote RIP1 ubiquitination. Mol. Cell 30 689 PMID:18570872

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

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