

Product Name : AZD 5991

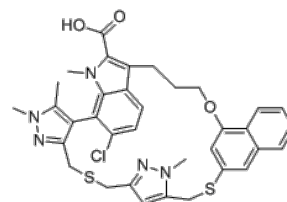
Synonyms : AZD5991

Cat No. : M13426

CAS Number : 2143061-81-6

Molecular Formula : C₃₅H₃₄ClN₅O₃S₂

Formula Weight : 672.26



Chemical Name : (Z)-16-chloro-11,21,25,61-tetramethyl-11H,21H,61H-10-oxa-4,8-dithia-1(7,3)-indola-2(4,3),6(3,5)-dipyrazola-9(3,1)-naphthalenacyclotridecaphane-12-carboxylic acid

Description : AZD 5991 (AZD5991) is a potent and selective macrocyclic inhibitor of Mcl-1 with sub-nanomolar affinity; promotes rapid apoptosis in Mcl-1-dependent cell lines (GI₅₀=10 nM in multiple myeloma cell lines), disrupts Mcl-1/Bak complex; completely causes tumor regression in several mouse xenograft models after a single tolerated dose. Blood Cancer Phase 1 Clinical

Pathway : Angiogenesis

Target : Bcl-2

Receptor : Bcl-2

Solubility : DMSO : 41.67 mg/mL 61.98 mM; H₂O : < 0.1 mg/mL

SMILES : CC1=C2C(=NN1C)CSCC3=NN(C(=C3)CSC4=CC5=CC=CC=C5C(=C4)OCCCC6=C(N(C7=C6C=CC(=C27)Cl)C)C(=O)O)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Alexander W. Hird, et al. Abstract DDT01-02: AZD5991: A potent and selective macrocyclic inhibitor of Mcl-1 for treatment of hematologic cancers, AACR. DOI: 10.1158/1538-7445.