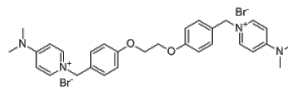


产品名称 : EB-3D

同义词 : ChoK inhibitor EB-3D

产品货号 : M12841

CAS Number : 1839150-63-8



分子式 : C₃₀H₃₆Br₂N₄O₂

分子量 : 644.452

化学全名 : 1,1'-(((ethane-1,2-diylbis(oxy))bis(4,1-phenylene))bis(methylene))bis(4-(dimethylamino)pyridinium) bromide

产品描述 : EB-3D is a novel potent and selective choline kinase ChoK α inhibitor with IC₅₀ of 1.0 μ M (purified ChoK α 1), strongly impairs cell proliferation in a variety of different cancer cell lines; demonstrates in vitro antiproliferative effects against HeLa (IC₅₀=79 nM), RS4,11 (IC₅₀=45 nM), A549 (IC₅₀=27 nM) and MDA-MB-231 (IC₅₀=100 nM); displays excellent antiproliferative activity against a wide cohort of T-leukemic cell lines with GI₅₀ of 0.9 nM (MOLT-16 cell)-479 nM (CCRF-CEM), reduces the intracellular pool of PCho, but also inhibits the synthesis of choline-containing lipids; induces G₀/G₁ arrest that lead to apoptosis in leukemia cell lines; affects AMPK-mTOR signaling pathway, synergizes with both dexamethasone and L-asparaginase.

通路 : Others

靶点 : ChoK

受体 : ChoK

溶解度 : In Vitro: ?DMSO : 50 mg/mL (77.59 mM)

SMILES : CN(C)C1=CC=[N+](C=C1)CC2=CC=C(C=C2)OCCOC3=CC=C(C=C3)C[N+](C=C4)N(C)C.[Br-].[Br-]

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. Schiaffino-Ortega S, et al. Sci Rep. 2016 Mar 31;6:23793. 2. Mariotto E, et al. Biochem Pharmacol. 2018 Jul 10. pii: S0006-2952(18)30272-7.