

Product Name : EDO-S101

Synonyms : EDO-S 101;Tinostamustine

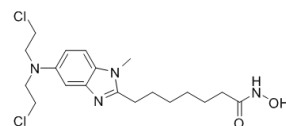
Cat No. : M10949

CAS Number : 1236199-60-2

Molecular Formula : C₁₉H₂₈Cl₂N₄O₂

Formula Weight : 415.36

Chemical Name : 1H-Benzimidazole-2-heptanamide, 5-[bis(2-chloroethyl)amino]-N-hydroxy-1-methyl-



Description : EDO-S101 (Tinostamustine) is a fusion molecule comprising of the alkylator bendamustine and the HDAC-inhibitor vorinostat; displays potent activity in vitro in MM cell lines (IC₅₀=1.6-4.8 uM) and ex vivo in cells isolated from MM patients; shows activity in CB17-SCID murine plasmacytoma model and in de novo Vk*MYC mice, also is the only drug with single-agent activity in the multidrug resistant Vk12653 murine model. Blood Cancer Phase 1 Clinical

Pathway : Cell Cycle/DNA Damage

Target : HDAC

Receptor : HDAC1;HDAC2;HDAC3;HDAC6;HDAC8

Solubility : DMSO: ≥ 30 mg/mL

SMILES : CN1C2=C(C=C(C=C2)N(CCCl)CCCl)N=C1CCCCCCC(=O)NO

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mehrling T, et al. Anticancer Agents Med Chem. 2016;16(1):20-8. | 2. López-Iglesias AA, et al. J Hematol Oncol. 2017 Jun 20;10(1):127. | 3. Besse L, et al. Blood Cancer J. 2017 Jul 28;7(7):e589.