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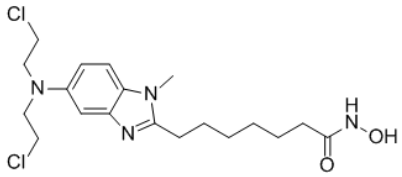
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	EDO-S101
Cat. No.	:	PC-42421
CAS No.	:	1236199-60-2
Molecular Formula	:	$C_{19}H_{28}Cl_2N_4O_2$
Molecular Weight	:	415.36
Target	:	HDAC
Solubility	:	DMSO: ≥ 30 mg/mL



Biological Activity

EDO-S101 (Tinostamustine) is a fusion molecule comprising of the alkylator bendamustine and the **HDAC**-inhibitor vorinostat.
EDO-S101 (Tinostamustine) displays potent activity in vitro in MM cell lines (IC50=1.6-4.8 uM) and ex vivo in cells isolated from MM patients.
EDO-S101 (Tinostamustine) 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.

References

Mehrling T, et al. ***Anticancer Agents Med Chem.*** 2016;16(1):20-8.

López-Iglesias AA, et al. ***J Hematol Oncol.*** 2017 Jun 20;10(1):127.

Besse L, et al. ***Blood Cancer J.*** 2017 Jul 28;7(7):e589.

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