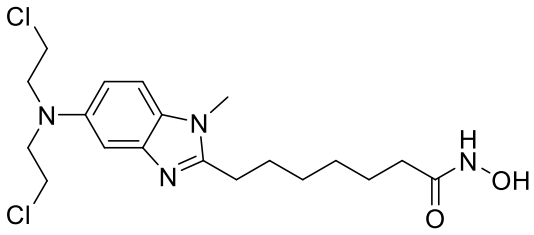
MedKoo Biosciences

Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
407990	Tinostamustine free base	C20R01B18

Chemical name	
7-(5-(bis(2-chloroethyl)amino)-1-methyl-1H-benzo[d]imidazol-2-yl)-N-hydroxyheptanamide	
Synonyms	
Tinostamustine free base; EDO-S101; EDO-S 101; EDO-S-101	
Chemical structure	**CAS# and Theoretical analysis**
	MedKoo Cat#: 407990 Name: Tinostamustine free base CAS#: 1236199-60-2 (free base) Lot#: C20R01B18 Chemical Formula: $C_{19}H_{28}Cl_2N_4O_2$ Exact Mass: 414.1589 Molecular Weight: 415.36

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	^{1}H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 ^{o}C under dry condition Long term storage (months): -20 ^{o}C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE

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