

Product Information

VNRX-5133, Purity $\geq 98\%$

Cat. No.: X24-09-YM1439

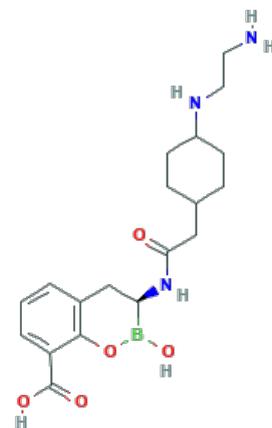
Size: 5 mg; 10 mg; 20 mg; 50 mg

CAS Number: 1613268-23-7

Compound CID: 90205317

Synonym: 1613268-23-7; VNRX5133; VNRX 5133;

(3S)-3-[[[2-[4-(2-Aminoethylamino)cyclohexyl]acetyl]amino]-2-hydroxy-3,4-dihydro-1,2-benzoxaborinine-8-carboxylic acid



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	VNRX-5133 is a cyclic boronate β -lactamase inhibitor. The molecular weight of the compound is 389.25, and its molecular formula is $C_{19}H_{28}BN_3O_5$.
Molecular Weight	389.25
Molecular Formula	$C_{19}H_{28}BN_3O_5$
IUPAC Name	(3S)-3-[[[2-[4-(2-Aminoethylamino)cyclohexyl]acetyl]amino]-2-hydroxy-3,4-dihydro-1,2-benzoxaborinine-8-carboxylic acid
InChI	InChI=1S/C19H28BN3O5/c21-8-9-22-14-6-4-12(5-7-14)10-17(24)23-16-11-13-2-1-3-15(19(25)26)18(13)28-20(16)27/h1-3,12,14,16,22,27H,4-11,21H2,(H,23,24)(H,25,26)/t12?,14?,16-/m1/s1
InChI Key	PFZUWUXKQPRWAL-LDZOIKDWSA-N
Canonical SMILES	<chem>B1(C(CC2=C(O1)C(=CC=C2)C(=O)O)NC(=O)CC3CCC(CC3)NCCN)O</chem>
Isomeric SMILES	<chem>B1([C@H](CC2=C(O1)C(=CC=C2)C(=O)O)NC(=O)CC3CCC(CC3)NCCN)O</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	VNRX-5133 can be studied extensively for its potential therapeutic applications in the treatment of



various resistant bacterial infections.

Storage

Store at -20°C, and keep desiccated.
