

## Product Information

### Taniborbactam, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1446

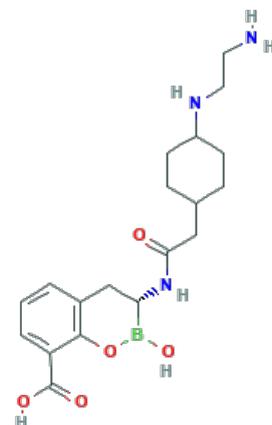
**Size:** 1 mg; 5 mg; 10 mg; 20 mg

**CAS Number:** 1613267-49-4

**Compound CID:** 76902493

**Synonym:** 1613267-49-4; Taniborbactam; Taniborbactam free base; VNRX-5133;

(3R)-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

<b>Description</b>	Taniborbactam is a potent inhibitor of $\beta$ -lactamase. The molecular weight of the compound is 389.25, and its molecular formula is $C_{19}H_{28}BN_3O_5$ .
<b>Molecular Weight</b>	389.25
<b>Molecular Formula</b>	$C_{19}H_{28}BN_3O_5$
<b>IUPAC Name</b>	(3R)-3-[[2-[4-(2-Aminoethylamino)cyclohexyl]acetyl]amino]-2-hydroxy-3,4-dihydro-1,2-benzoxaborinine-8-carboxylic acid
<b>InChI</b>	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-/m0/s1
<b>InChI Key</b>	PFZUWUXKQPRWAL-PXCJXSSVSA-N
<b>Canonical SMILES</b>	B1(C(CC2=C(O1)C(=CC=C2)C(=O)O)NC(=O)CC3CCC(CC3)NCCN)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Taniborbactam plays a key role in inhibiting both class A and class C beta-lactamases.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , and keep desiccated.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: [info@bioglyco.com](mailto:info@bioglyco.com)

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