

## Product Information

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

**Cat. No.:** X24-09-YM1448

**Size:** 1 mg; 5 mg; 10 mg; 50 mg

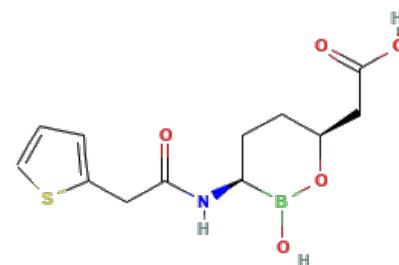
**MDL:** MFCD28502176

**CAS Number:** 1360457-46-0

**Compound CID:** 56649692

**Synonym:** 1360457-46-0; RPX7009; RPX 7009; RPX-7009;

2-[(3*R*,6*S*)-2-Hydroxy-3-[(2-thiophen-2-ylacetyl)amino]oxaborinan-6-yl]acetic acid



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

#### Product Information

<b>Description</b>	Vaborbactam is a cyclic boronic acid pharmacophore $\beta$ -lactamase inhibitor. The molecular weight of the compound is 297.14, and its molecular formula is $C_{12}H_{16}BNO_5S$ .
<b>Molecular Weight</b>	297.14
<b>Molecular Formula</b>	$C_{12}H_{16}BNO_5S$
<b>IUPAC Name</b>	2-[(3 <i>R</i> ,6 <i>S</i> )-2-Hydroxy-3-[(2-thiophen-2-ylacetyl)amino]oxaborinan-6-yl]acetic acid
<b>InChI</b>	InChI=1S/C12H16BNO5S/c15-11(7-9-2-1-5-20-9)14-10-4-3-8(6-12(16)17)19-13(10)18/h1-2,5,8,10,18H,3-4,6-7H2,(H,14,15)(H,16,17)/t8-,10-/m0/s1
<b>InChI Key</b>	IOOWNWLVCOUUEX-WPRPVWTQSA-N
<b>Canonical SMILES</b>	B1(C(CCC(O1)CC(=O)O)NC(=O)CC2=CC=CS2)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>	Vaborbactam plays a key role in targeting serine beta-lactamases.
<b>Storage</b>	Store at $-20^{\circ}C$ , and keep desiccated.