

## Product Datasheet

### Clavulanate lithium (orb1308444)

<b>Catalog Number</b>	orb1308444
<b>Category</b>	Small Molecules
<b>Description</b>	Clavulanate lithium is the lithium salt of clavulanic acid, a potent $\beta$ -lactamase inhibitor used in research. It is employed in both in vitro and in vivo studies to investigate bacterial resistance mechanisms and to potentiate the activity of $\beta$ -lactam antibiotics against resistant strains.
<b>Target</b>	Antibiotic, Antibacterial
<b>Purity</b>	99.51% (May vary between batches)
<b>MW</b>	205.09
<b>Target Areas</b>	Antibiotic Antibacterial
<b>Solubility (25°C)</b>	DMSO:4.5 mg/mL (21.94 mM);H <sub>2</sub> O:44.8 mg/mL (218.44 mM)
<b>CAS Number</b>	61177-44-4
<b>Formula</b>	C <sub>8</sub> H <sub>8</sub> LiNO <sub>5</sub>
<b>SMILES</b>	[Li+].[H][C@@]12CC(=O)N1[C@@H](C([O-])=O)\C(O2)=C\CO
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558