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## Product Data Sheet

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Product Name: Oxocarbazate

Cat. No.: GB62275

**Chemical Properties**

Cas. No. 1014405-03-8

SMILES O=C(NNC(OCC(N1CCCC2=C1C=CC=C2)=O)=O)[C@@H](NC(OC(C)(C)C)=O)CC3=CNC4=C3C=CC=C4

Formula	C28H33N5O6	M.Wt	535.6
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Oxocarbazate, also known as CID23631927, is an inhibitor of human cathepsin L. In the cathepsin L inhibition assay, The oxocarbazate caused a time-dependent 17-fold drop in IC50 from 6.9 nM (no preincubation) to 0.4 nM (4-h preincubation). Slowly reversible inhibition was demonstrated in a dilution assay. CID23631927 demonstrate activity in blocking both SARS-CoV (IC50 = 273 nM) and Ebola virus (IC50 = 193 nM) entry into human embryonic. CID 23631927 was a subnanomolar, slow-binding, reversible inhibitor of human cathepsin L that blocked SARS-CoV and Ebola pseudotype virus entry in human cells. Inhibition of cathepsin L thus holds promise for therapeutic intervention for both SARS-CoV and Ebola virus infection.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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