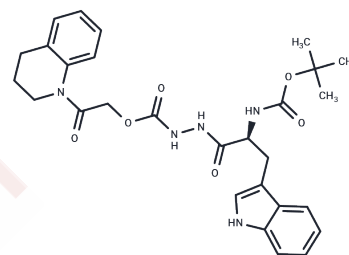


Oxocarbazate

Chemical Properties

CAS No. :	1014405-03-8
Formula:	C28H33N5O6
Molecular Weight:	535.59
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	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.
Targets(IC50)	Others,Cysteine Protease,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8671 mL	9.3355 mL	18.671 mL
5 mM	0.3734 mL	1.8671 mL	3.7342 mL
10 mM	0.1867 mL	0.9335 mL	1.8671 mL
50 mM	0.0373 mL	0.1867 mL	0.3734 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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