

LB-205

## Chemical Properties

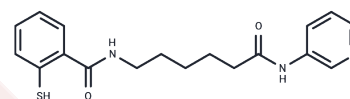
CAS No. : 1113025-86-7

Formula: C<sub>18</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight: 343.44

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	LB-205 is a Zn <sup>2+</sup> dependent pan-inhibitor of class I and class II HDACs. It also has a long half-life in vivo.
Targets(IC50)	Others,HDAC

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9117 mL	14.5586 mL	29.1172 mL
5 mM	0.5823 mL	2.9117 mL	5.8234 mL
10 mM	0.2912 mL	1.4559 mL	2.9117 mL
50 mM	0.0582 mL	0.2912 mL	0.5823 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.

## Reference

- Lu J, Frerich JM, Turtzo LC, Li S, Chiang J, Yang C, Wang X, Zhang C, Wu C, Sun Z, Niu G, Zhuang Z, Brady RO, Chen X. Histone deacetylase inhibitors are neuroprotective and preserve NGF-mediated cell survival following traumatic brain injury. Proc Natl Acad Sci U S A. 2013 Jun 25;110(26):10747-52. doi: 10.1073/pnas.1308950110. Epub 2013 Jun 10. PubMed PMID: 23754423; PubMed Central PMCID: PMC3696796.
- Lu J, Yang C, Chen M, Ye DY, Lonser RR, Brady RO, Zhuang Z. Histone deacetylase inhibitors prevent the degradation and restore the activity of glucocerebrosidase in Gaucher disease. Proc Natl Acad Sci U S A. 2011 Dec 27;108(52):21200-5. doi: 10.1073/pnas.1119181109. Epub 2011 Dec 12. PubMed PMID: 22160715; PubMed Central PMCID: PMC3248545.

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