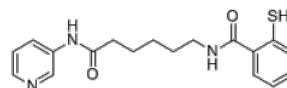


Product Name : LB-205
Synonyms : LB 205;LB205
Cat No. : M10416
CAS Number : 1113025-86-7
Molecular Formula : C₁₈H₂₁N₃O₂S
Formula Weight : 343.45
Chemical Name : 2-mercapto-N-(6-oxo-6-(pyridin-3-ylamino)hexyl)benzamide



Description : A Zn²⁺-dependent pan-inhibitor of class I and class II HDACs with a long half-life (12h) in vivo; significantly enhances the migration of astrocytes and accelerates wound repair more effectively than SAHA and VPA; up-regulates the expression of NGF, phospho-TrkA, p-AKT, NF-κB, and Bcl-2, while down-regulates the expression of p75 NTR, phospho-JNK, and Bax.

Pathway : Cell Cycle/DNA Damage

Target : HDAC

Receptor : HDAC

Solubility : —

SMILES : O=C(NCCCCC(NC1=CC=CC=C1)=O)C2=CC=CC=C2S

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lu J, et al. Proc Natl Acad Sci U S A. 2011 Dec 27;108(52):21200-5. 2. Lu J, et al. Proc Natl Acad Sci U S A. 2013 Jun 25;110(26):10747-52.