

Product Data Sheet

Product Name: HDAC6 Inhibitor

Cat. No.: GC41085

Chemical Properties

Cas. No. 1259296-46-2

SMILES O=C(NO)C1=CC(CCN(C(C2=CC=CN2C)=O)C3)=C3C=C1

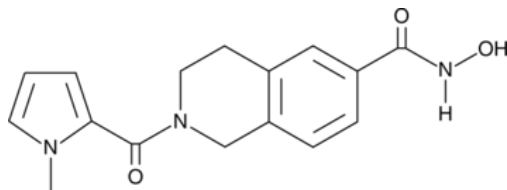
Formula C₁₆H₁₇N₃O₃ M.Wt 299.3

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml
Storage Store at -20°C

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

HDAC6 is a predominantly cytoplasmic enzyme that targets α -tubulin, cortactin, and heat shock protein 90, as well as other substrates. In this way, it impacts development, proliferation, invasion, and tumorigenesis. HDAC6 Inhibitor is a potent and selective inhibitor of HDAC6 (IC₅₀ = 36 nM) that poorly blocks other HDAC enzymes. It is cell permeable, inhibiting the acetylation of tubulin in cells with an IC₅₀ value of 210 nM.

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

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