

Product Data Sheet

Product Name: SAHA-d5

Cat. No.: GC44866

Chemical Properties

Cas. No. 1132749-48-4

SMILES O=C(CCCCCC(=O)NC1=C([2H])C([2H])=C([2H])C([2H])=C1[2H])

Formula C₁₄H₁₅D₅N₂O₃

M.Wt 269.4

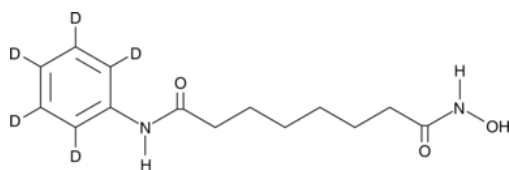
Solubility Soluble in DMSO

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

SAHA-d5 contains five deuterium atoms at the 2, 3, 4, 5, and 6 positions. It is intended for use as an internal standard for the quantification of SAHA by GC- or LC-MS. SAHA is a histone deacetylase (HDAC) inhibitor that binds directly to the catalytic site of the enzyme thereby blocking substrate access. It inhibits class I, II, and IV HDACs at 50-200 nM and arrests cell growth in a wide variety of transformed cells in culture at 2.5-5.0 μM.

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

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