

Product Data Sheet

Product Name: J27644
Cat. No.: GC91389

Chemical Properties

Cas. No.

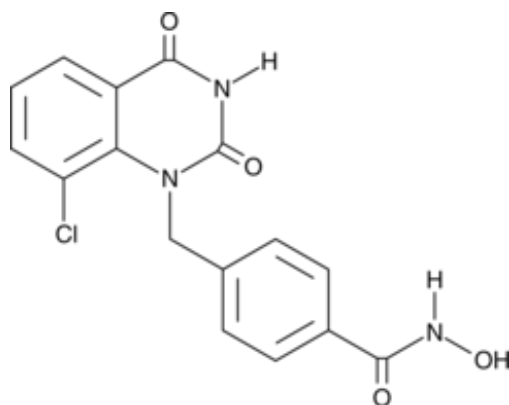
Formula $C_{16}H_{12}ClN_3O_4$ M.Wt 345.7

Solubility DMSO: Soluble, Methanol: Soluble Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

J27644 is an inhibitor of histone deacetylase 6 (HDAC6; $IC_{50} = 10$ nM).¹ It is selective for HDAC6 over HDAC1-5 (IC_{50} s = 211-516 nM) and HDAC7, -8, -9, and -11 (IC_{50} s = 137-812 nM). J27644 (10 μ M) reduces the level of proteins involved in fibrosis, including collagen 1A1, α -smooth muscle actin (α -SMA), and fibronectin, in human pulmonary fibroblasts in vitro.

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

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