

Product Data Sheet

Product Name: SIRT-IN-3

Cat. No.: GC61279

Chemical Properties

Cas. No. 1211-19-4

SMILES O=C(N)C1=CC=CC=C1NC2=CC=CC=C2

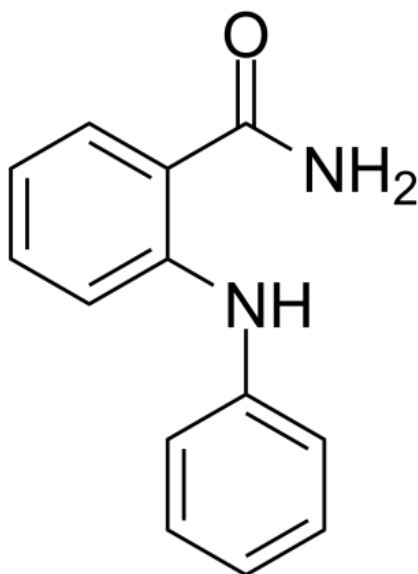
Formula $C_{13}H_{12}N_2O$ M.Wt 212.25

Solubility DMSO: 250 mg/mL (1177.86 mM) Storage 4°C, protect from light

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

SIRT-IN-3 is a potent SIRT inhibitor, with an IC₅₀ of 17 μM for SIRT1. SIRT-IN-3 shows about 4-fold and 14-fold selectivity for SIRT1 over SIRT2 and SIRT3, respectively (IC₅₀ of 74 μM and 235 μM for SIRT2 and SIRT3, respectively)[1].

SIRT-IN-3 (Compound 7) (30-300 μM; 8 hours) causes p53 acetylation in HCT116 cells[1].

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

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[1]. Suzuki T, et al. 2-Anilinobenzamides as SIRT inhibitors. ChemMedChem. 2006 Oct;1(10):1059-62.

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