
Product Data Sheet

Product Name: SIRT1-IN-2

Cat. No.: GC69897

Chemical Properties

Cas. No. 2470969-89-0

Formula $C_{13}H_{15}ClN_2O$

M.Wt 250.72

Solubility DMSO : 100 mg/mL (398.85 mM; Need ultrasonic)

Storage 4°C, away from moisture and 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**

SIRT1-IN-2 (compound 3h) is a potent and selective **Inhibited the proliferation of Human cancer cell lines including K562, HCT-116, HepG2, A549, and MCF-7, with IC₅₀ values of 51, 37, 40, 48, and 48 μM, respectively. And showed significantly less cytotoxic on 293T cells and HUVEC, with IC₅₀ values of > 100 and 45 μM, respectively.**

[1]. Laaroussi H, Ding Y, Teng Y, et al. Synthesis of indole inhibitors of silent information regulator 1 (SIRT1), and their evaluation as cytotoxic agents. Eur J Med Chem. 2020;202:112561.

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

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