

Product Data Sheet

Product Name: JMJD7-IN-1

Cat. No.: GC62102

Chemical Properties

Cas. No. 311316-96-8

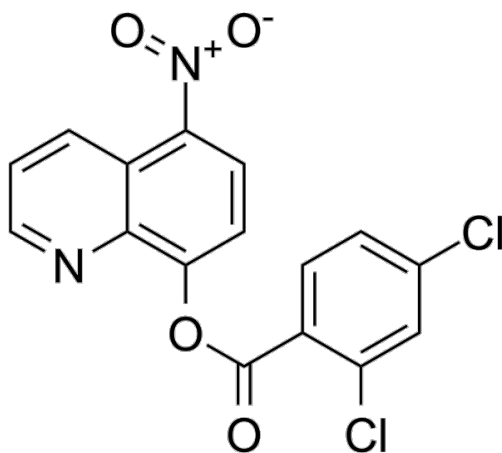
Formula $C_{16}H_8Cl_2N_2O_4$ M.Wt 363.15

Solubility DMSO : 8.33 mg/mL (22.94 mM); ultrasonic and warming and heat to 60°C) 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

JMJD7-IN-1 is a potent JMJD7 inhibitor, with an IC₅₀ of 6.62 μM. JMJD7-IN-1 shows good inhibitory activity against cells expressing a high level of JMJD7[1].

JMJD7-IN-1 (0.1-1000 μM) dose-dependently inhibits the activity of JMJD7, with an IC₅₀ of 6.62 μM[1]. JMJD7-IN-1 efficiently binds to JMJD7, with an IC₅₀ of 3.80 μM[1]. JMJD7-IN-1 (72 h) inhibits the growth of T-47d, SK-BR-3, Jurkat and Hela cells, with IC₅₀s of 9.40 μM, 13.26 μM, 15.03 μM and

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

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16.14 μ M, respectively[1].

[1]. Zhang W, et, al. Discovery of JMJD7 inhibitors with the aid of virtual screening and bioactivity evaluation. Bioorg Med Chem Lett. 2021 May 25;45:128139.

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