
Product Data Sheet

Product Name: USP15-IN-1

Cat. No.: GC67963

Chemical Properties

Cas. No. 2260826-16-0

Formula $C_{22}H_{23}N_3O_3$ M.Wt 377.44

Solubility 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 size: ship with RT, or blue ice upon request.

Structure **Background**

USP15-IN-1 is a potent **USP15** inhibitor with an **IC₅₀** value of 3.76 μM. USP15-IN-1 can be used for researching anticancer^[1].

USP15-IN-1 (compound IM001) (0.001-5 μM; 48 h) exhibits highly anti-proliferative activity against non-small cell lung carcinoma and leukemia cells^[1].

Cell Proliferation Assay^[1]

Cell Line: Non-small cell lung carcinoma and leukemia cells

Concentration: 0.001 μM, 0.005 μM, 0.01 μM, 0.05 μM, 0.1 μM, 0.5 μM, 1 and 5 μM

Incubation Time: 48 h

Result: Exhibited highly anti-proliferative activity against non-small cell lung carcinoma and leukemia cells with IC₅₀s of 1.94 μM and 2.22 μM.

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

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[1]. Chen Yihua, et al. The tetrahydro-beta-carboline micromolecular organic compound and its derivative and medical usage of a kind of hydroxyl substitution. CN108727370A

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