
Product Data Sheet

Product Name: SKI-349
Cat. No.: GC73974

Chemical Properties

Cas. No. 727686-80-8

Formula $C_{19}H_{19}N_3O_4S$ M.Wt 385.44

Solubility DMSO : 125 mg/mL (324.30 mM;
Need ultrasonic) Storage 4°C, sealed storage, 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 Evaluation sample solution : ship with blue ice All other available size: ship
Condition with RT , or blue ice upon request.

Structure

Background

SKI-349 is a dual-targeted inhibitor of sphingosine kinase 1/2 (SPHK1/2) and microtubule assembly (MDA). SKI-349 has anticancer activity. SKI-349 can inhibit the vitality, invasion, and AKT/mTOR signaling pathway of liver cells.

References:

[1]. Hengst JA, et al. Development of SKI-349, a dual-targeted inhibitor of sphingosine kinase and microtubule polymerization. *Bioorg Med Chem Lett.* 2020 Oct 15;30(20):127453.

[2]. Chen L, et al. SKI-349, a Sphingosine Kinases 1/2 Inhibitor, Suppresses Cell Viability, Invasion, and AKT/mTOR Signaling Pathway, and Shows Synergistic Cytotoxic Effects with Sorafenib in Hepatocellular Carcinoma. *Tohoku J Exp Med.* 2023 Dec 21.

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

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