

Product Data Sheet

Product Name: SKI-I
Cat. No.: GC66011

Chemical Properties

Cas. No. 306301-68-8

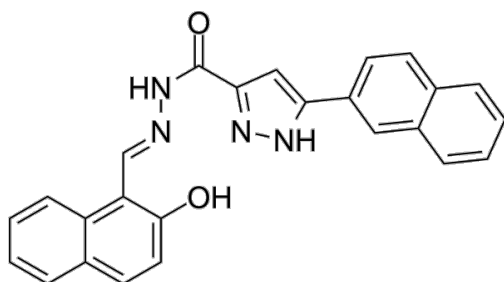
Formula $C_{25}H_{18}N_4O_2$ M.Wt 406.44

Solubility DMSO : 100 mg/mL (246.04 mM; Need ultrasonic) 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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

IC₅₀: 1.2 μ M (ST-hSK); 11 μ M (hERK2) [1]

SKI-I is a potent and selective inhibitor of human **sphingosine kinase (SK)**, with an **IC₅₀** of 1.2 μ M for **ST-hSK**. SKI-I also inhibits **hERK2** (**IC₅₀**=11 μ M). SKI-I induces **apoptosis** in tumor cell lines [1][2].

SKI-I (Compound I; 5 μ g/mL) inhibits SK activity by 99% [1].

SKI-I (10 μ M; 24 h) induces the apoptosis of T24 cells [1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA