
Product Data Sheet

Product Name: SM-433 hydrochloride

Cat. No.: GC63709

Chemical Properties

Cas. No.

Formula $C_{32}H_{44}ClN_5O_4$

M.Wt 598.18

Solubility DMSO : 180 mg/mL (300.91 mM; Need ultrasonic) 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

SM-433 hydrochlorid, a Smac mimetic, function as inhibitor of inhibitor of apoptosis proteins (IAPs). SM-433 hydrochlorid exhibits strong binding affinity XIAP BIR3 protein with an $IC_{50} < 1 \mu M$ (patent WO2008128171A2)[1].

SM-433 hydrochlorid exhibits strong inhibitory activity against MDA-MB -2131 human breast cancer cells and SK-OV-3 ovarian cancer cells ($IC_{50}s < 10 \mu M$, respectively)[1].

[1]. Shaomeng Wang, et al. Diazo bicyclic smac mimetics and the uses thereof. WO2008128171A2.

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