

Product Data Sheet

Product Name: SGK1-IN-3 hydrochloride

Cat. No.: GC73088

Chemical Properties

Cas. No.

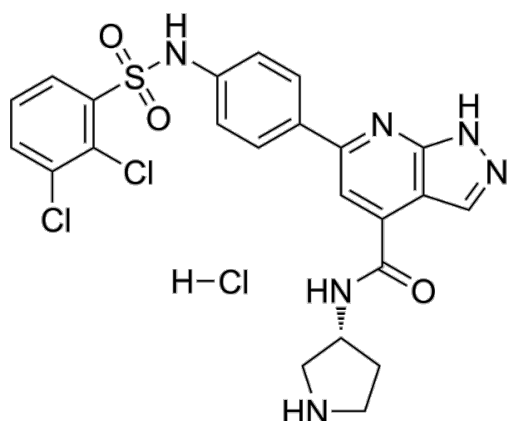
Formula $C_{23}H_{21}Cl_3N_6O_3S$ M.Wt 567.88

Solubility DMSO : 125 mg/mL (220.12 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 Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

SGK1-IN-3 drochloride (compound 3a) is a potent and orally active inhibitor of SGK1. The serine/threonine kinase SGK1 is an activator of the β -catenin pathway and a powerful stimulator of cartilage degradation that is found to be upregulated under genomic control in diseased osteoarthritic cartilage. SGK1-IN-3 drochloride has the potential for the research of osteoarthritis.

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

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References:

[1]. Halland N, et al. Rational Design of Highly Potent, Selective, and Bioavailable SGK1 Protein Kinase Inhibitors for the Treatment of Osteoarthritis. J Med Chem. 2022;65(2):1567-1584.

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