

Product Data Sheet

Product Name: LY3972406 hydrochloride

Cat. No.: GC79538

Chemical Properties

Cas. No. 3071928-61-2

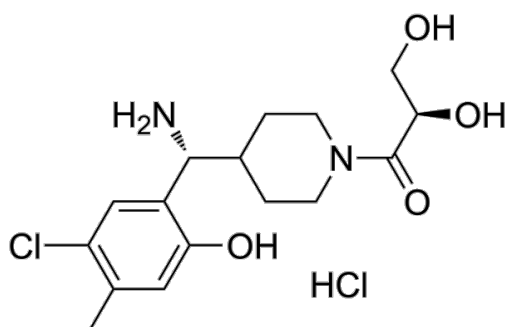
Formula $C_{16}H_{24}Cl_2N_2O_4$ M.Wt 379.28

Solubility DMSO: 100 mg/mL (263.66 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

LY3972406 hydrochloride is a Kv1.3 potassium channel inhibitor without affecting hERG channel activity. LY3972406 hydrochloride can be used in research of immune-related diseases such as psoriasis, rheumatoid arthritis, and systemic lupus erythematosus [1].

In Vitro, LY3972406 (Compound I) hydrochloride inhibits the activity of the Kv1.3 potassium channel

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

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without blocking the hERG channel, resulting in reduced cardiotoxicity risk, enhanced ion channel selectivity, improved pharmacokinetic properties, and increased solubility^[1].

References:

[1]. Coates DA, et al., Solid forms of a kv1.3 potassium shaker channel blockers and method of using the same. WO2025029769

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