

Product Data Sheet

Product Name: KCNQ1 activator-1

Cat. No.: GC64719

Chemical Properties

Cas. No. 1008671-38-2

Formula C₂₂H₂₃N₃O₄S₂

M.Wt 457.57

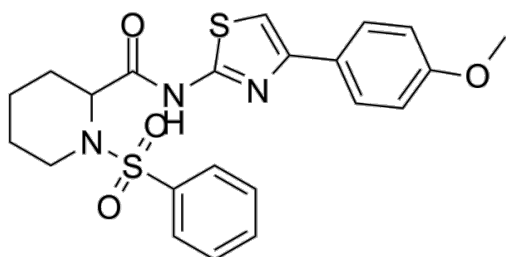
Solubility DMSO : 250 mg/mL (546.36 mM;
Need ultrasonic)

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

KCNQ1 activator-1 (compound 3) is a potent activator of KCNQ1 channel. KCNQ1 activator-1 has the potential for the research of long QT syndrome (LQTS)[1].

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

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[1]. Mattmann ME, et al. Identification of (R)-N-(4-(4-methoxyphenyl)thiazol-2-yl)-1-tosylpiperidine-2-carboxamide, ML277, as a novel, potent and selective K(v)7.1 (KCNQ1) potassium channel activator. Bioorg Med Chem Lett. 2012;22(18):5936-5941.

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