
Product Data Sheet

Product Name: (1R,2R)-ML-SI3

Cat. No.: GC64062

Chemical Properties

Cas. No. 2418594-00-8

Formula C₂₃H₃₁N₃O₃S

M.Wt 429.58

Solubility DMSO : 100 mg/mL (232.79 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

(1R,2R)-ML-SI3 is a potent inhibitor of both TRPML1 and TRPML2 (IC₅₀ values of 1.6 and 2.3 μM) and a weak inhibitor (IC₅₀ 12.5 μM) of TRPML3[1].

[1]. Leser C, Keller M, Gerndt S, et al. Chemical and pharmacological characterization of the TRPML calcium channel blockers ML-SI1 and ML-SI3. Eur J Med Chem. 2021;210:112966.

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

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