
Product Data Sheet

Product Name: TK05
Cat. No.: GC65438

Chemical Properties

Cas. No. 1245734-61-5

Formula C₃₁H₂₅CIN₂O₅

M.Wt 540.99

Solubility DMSO : \geq 100 mg/mL (184.85 mM)

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

TK05 is a potent and selective inhibitor of leukotriene C4 synthase (LTC4S) with an IC₅₀ of 95 nM[1].

TK05 reduces LTC4 production in a dose-dependent manner with an IC₅₀ value of 318 ± 60 nM in MM6 Cells[1].

TK05 (0.12-6 mg/kg; given i.p.; only once) significantly reduces LTE4 levels[1].

[1]. Kleinschmidt TK, et al. Tandem Benzophenone Amino Pyridines, Potent and Selective Inhibitors of Human Leukotriene C4 Synthase. J Pharmacol Exp Ther. 2015 Oct;355(1):108-16.

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

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