
Product Data Sheet

Product Name: GGTI-286 hydrochloride

Cat. No.: GC64784

Chemical Properties

Cas. No. 181141-66-2

Formula C₂₃H₃₂CIN₃O₃S

M.Wt

466.04

Solubility

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**

GGTI-286 hydrochloride, a potent GGTase I inhibitor, is 25-fold more potent (IC₅₀=2 μM) than the corresponding methyl ester of FTI-276 . GGTI-286 hydrochloride selectively inhibits geranylgeranylation of Rap1A over farnesylation of H-Ras in NIH3T3 cells (IC₅₀s =2 and >30 μM, respectively). GGTI-286 hydrochloride also potently inhibits oncogenic K-Ras4B stimulation with an IC₅₀ of 1 μM[1][2].

[1]. E C Lerner, et al. Disruption of oncogenic K-Ras4B processing and signaling by a potent geranylgeranyltransferase I inhibitor. J Biol Chem. 1995 Nov 10;270(45):26770-3.

[2]. Naoyuki Nishiya, et al. A zebrafish chemical suppressor screening identifies small molecule inhibitors of the Wnt/β-catenin pathway. Chem Biol. 2014 Apr 24;21(4):530-540.

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

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