

Product Data Sheet

Product Name: GET73
Cat. No.: GC62987

Chemical Properties

Cas. No. 202402-01-5

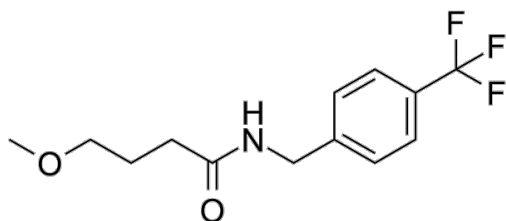
Formula $C_{13}H_{16}F_3NO_2$ M.Wt 275.27

Solubility DMSO : 100 mg/mL (363.28 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

GET73 is a γ -hydroxybutyric acid (GHB) analog, a naturally occurring neurotransmitter. GET73 has

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anti-alcohol and anxiolytic properties. GET73 significantly affects glutamate transmission in the hippocampus[1][2][3].

GET73 (1 μ M, 10 μ M; 1 hour) 1 hour before and during chronic ethanol exposure prevents ethanol-induced a reduction of cell viability, an alteration of cytoskeleton, a decrease in extracellular glutamate levels and an increase of reactive oxygen species production[1].

GET73 (5-50 mg/kg; i.g.) exerts an anxiolytic effect in Sprague-Dawley rats exposed to the elevated plus maze (EPM) test[3].

[1]. Tomasini MC, et al. GET73 Prevents Ethanol-Induced Neurotoxicity in Primary Cultures of Rat Hippocampal Neurons. Alcohol Alcohol. 2016 Mar;51(2):128-35.

[2]. Ferraro L, et al. GET73 modulates rat hippocampal glutamate transmission: evidence for a functional interaction with mGluR5. Pharmacol Rep. 2011;63(6):1359-71.

[3]. Loche A, et al. Anti-Alcohol and Anxiolytic Properties of a New Chemical Entity, GET73. Front Psychiatry. 2012 Feb 14;3:8.

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