

Product Data Sheet

Product Name: (rel)-Eglumegad

Cat. No.: GC71532

Chemical Properties

Cas. No. 176027-90-0

Formula $C_8H_{11}NO_4$

M.Wt 185.18

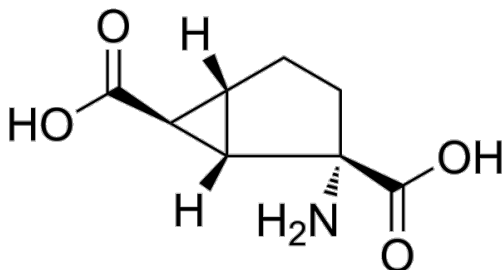
Solubility

Storage -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

(rel)-Eglumegad ((rel)-LY354740) is a relative configuration of Eglumegad. Eglumegad is a highly potent and selective group II (mGlu2/3) receptor agonist with EC50s of 5 and 24 nM for transfected human mGlu2 and mGlu3 receptors, respectively.

References:

[1]. Boerner T, et al. The group II metabotropic glutamate receptor agonist LY354740 and the D2

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

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receptor antagonist haloperidol reduce locomotor hyperactivity but fail to rescue spatial working memory in GluA1 knockout mice. Eur J Neurosci. 2017 Apr;45(7):912-

[2]. Orlando R, et al. Levels of the Rab GDP dissociation inhibitor (GDI) are altered in the prenatal restrain stress mouse model of schizophrenia and are differentially regulated by the mGlu2/3 receptor agonists, LY379268 and LY354740. Neuropharmacology. 2014

[3]. Procaccini C, et al. Reversal of novelty-induced hyperlocomotion and hippocampal c-Fos expression in GluA1 knockout male mice by the mGluR2/3 agonist LY354740. Neuroscience. 2013 Oct 10;250:189-200

[4]. Lee Y, et al. The mGlu2/3 receptor agonist LY354740 suppresses immobilization stress-induced increase in rat prefrontal cortical BDNF mRNA expression. Neurosci Lett. 2006 May 8;398(3):328-32.

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