

Product Data Sheet

Product Name: N-Cyclohexanecarbonylpentadecylamine

Cat. No.: GC44339

Chemical Properties

Cas. No. 702638-84-4

SMILES CCCCCCCCCCCCCCCNC(=O)C1CCCCC1

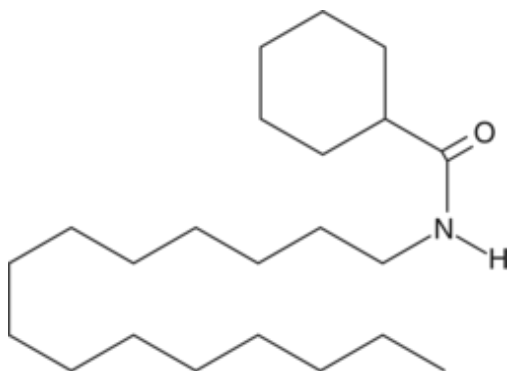
Formula C₂₂H₄₃NO M.Wt 337.6

Solubility Ethanol: 2 mg/ml 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

Numerous analogs of fatty acyl ethanolamides potentiate the intrinsic biological activity of endocannabinoids. This potentiation is ascribed either to inhibition of AEA reuptake into neurons, or inhibition of fatty acid amide hydrolase (FAAH) within the neurons. However, Ueda has recently cloned another amidase, the acidic palmitoyl ethanolamidase (PEAase) that promotes the hydrolysis of palmitoylethanolamide. N-Cyclohexanecarbonylpentadecylamine is a selective inhibitor of acidic

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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PEAase, inhibiting the enzyme with an IC₅₀ of 4.5 μ M, while failing to inhibit FAAH even at 100 μ M.

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