
Product Data Sheet

Product Name: Dihomo- γ -Linolenoyl Ethanolamide

Cat. No.: GC43457

Chemical Properties

Cas. No. 150314-34-4

SMILES CCCCC/C=C\C/C=C\C/C=C\CCCCCCC(=O)NCCOFormula $C_{22}H_{39}NO_2$

M.Wt 349.6

Solubility DMF: 10 mg/ml, DMSO: 30 mg/ml, Ethanol: 100 mg/ml, Ethanol: PBS (1:2): 8 mg/ml, PBS (pH 7.2): <100 μ g/ml

Store
Storage 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 sizes: ship with RT, or blue ice upon request.

Structure **Background**

Dihomo- γ -linolenoyl ethanolamide is an endocannabinoid containing dihydro- γ -linoleate in place of the arachidonate moiety of AEA. Dihomo- γ -linolenoyl ethanolamide binds to recombinant human CB1 and CB2 receptors with K_i values of 857 and 598 nM, respectively. Its specific role and relative importance as a cannabinergic neurotransmitter has not been elucidated.

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

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