

Product Data Sheet

Product Name: CB-52
Cat. No.: GC41311

Chemical Properties

Cas. No. 869376-90-9

SMILES OC1=CC(OCCCCCCCCCCCCC(=O)N2CC2)=C(CCCCCC)C=C1

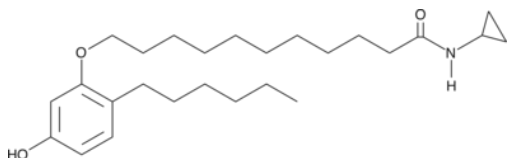
Formula C₂₆H₄₃NO₃ M.Wt 417.6

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 50 mg/ml, Ethanol: 50 mg/ml, PBS (pH 7.2)(1:2): 0.3 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

CB-52 is a stable analog of δ^9 -tetrahydrocannabinol (THC) and anandamide (AEA). It exhibits high affinity for the central cannabinoid (CB₁) and peripheral cannabinoid (CB₂) receptors with *K_i* values of 210 and 30 nM, respectively. In vitro, CB-52 behaves primarily as a CB₁ receptor partial agonist and a CB₂ receptor neutral antagonist.

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

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