

Product Data Sheet

Product Name: Dihydromunduletone

Cat. No.: GC39375

Chemical Properties

Cas. No. 674786-20-0

SMILES CC1(C)C=CC2=C(OC)C(CC(C3=C(O)C=C4C(CC(O)C(C)(C)O4)=C3)=O)=CC=C2O1

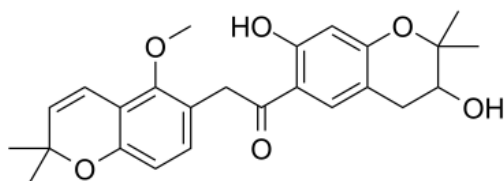
Formula $C_{25}H_{28}O_6$ M.Wt 424.49

Solubility DMSO: 250 mg/mL (588.94 mM) 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

Dihydromunduletone (DHM) is a rotenoid derivative and a selective, potent adhesion G protein-coupled receptor (aGPCR) (GPR56 and GPR114/ADGRG5) antagonist with an IC₅₀ of 20.9 μM for GPR56, but not inhibit GPR110 or class A GPCRs[1].

[1]. Hannah M. Stoveken, et al. Dihydromunduletone Is a Small-Molecule Selective Adhesion G Protein-Coupled Receptor Antagonist. Mol Pharmacol. 2016 Sep; 90(3): 214-224.

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

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