Product datasheet

Herkinorin, mu opioid agonist ab120147

Overview

Product name Herkinorin, mu opioid agonist
Description Non-internalising μ opioid agonist
Purity > 98%
CAS Number 862073-77-6
Chemical structure

Properties

Chemical name (2S,4aR,6aR,7R,9S,10aS,10bR)-Methyl 9-(benzoyloxy)-2-(furan-3-yl)-dodecahydro-6a,10b-dimethyl-4,10-dioxo-1H-benzo[f]isochromene-7-carboxylate
Molecular weight 494.53
Molecular formula C_{28}H_{30}O_{8}
PubChem identifier 11431898
Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview Soluble in DMSO to 100 mM
Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES O=C(OC)[C@H]5[C@H](OC(=O)c1ccccc1)C(=O)
Primary sensory neurons treated with vehicle (0.1% DMSO) (top panel) and 10 μM of ab120147 for 15 minutes (bottom panel) revealed no significant difference in CFP emission. It does not recruit β-arrestin2 to MOPr in primary sensory neurons.