

Product Data Sheet

Product Name: CAY10573

Cat. No.: GC43174

Chemical Properties

Cas. No. 853652-40-1

SMILES CCCCc1c(OCCCOc2ccc3ccn(CC(=O)O)c3c2)ccc2cc(ccc12)C(=O)c1ccccc1

Formula C33H31NO5

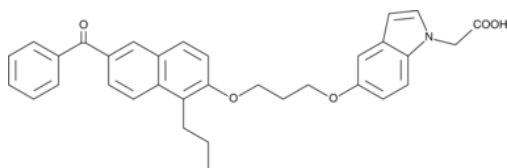
M.Wt 521.6

Solubility DMF: 0.3 mg/ml, DMSO: 0.5 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

The peroxisome proliferator-activated receptors (PPARs) are lipid-activated transcription factors often used as drug targets for the treatment of metabolic disorders. CAY10573 is a PPAR agonist that displays potent binding at PPAR α , γ , and δ with IC₅₀ values of 113, 50, and 223 nM, respectively. It potently transactivates PPAR α , γ , and δ with EC₅₀ values of 8, 70, and 500 nM, respectively. CAY10573 demonstrates stronger binding and functional activity for PPAR γ than the antidiabetic compound rosiglitazone (IC₅₀ = 92 nM; EC₅₀ = 220 nM).

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

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