

AMG 837 (sodium salt)

Catalog No: tcsc3279



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

865231-45-4

Formula:

$C_{26}H_{20}F_3NaO_3$

Pathway:

GPCR/G Protein

Target:

GPR40

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

460.42

Product Description

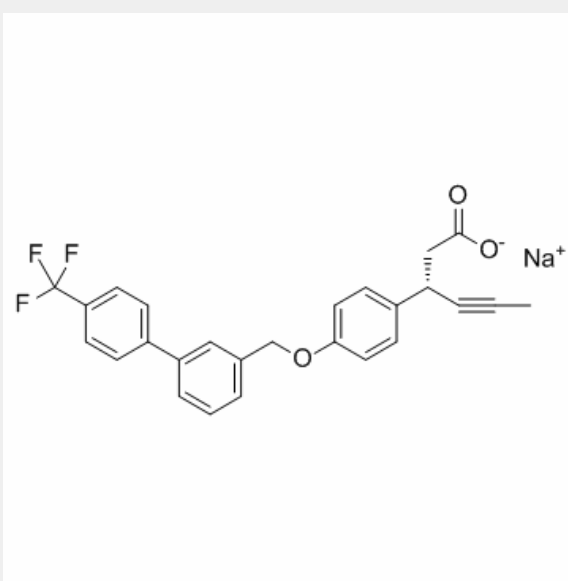
AMG 837 sodium salt is a potent GPR40 agonist($EC_{50}=13$ nM) with a superior pharmacokinetic profile and robust glucose-dependent stimulation of insulin secretion in rodents.

IC50 value: 13 nM (EC50) [1]

Target: GPR40 agonist

AMG 837 displayed the expected two-fold increase in potency on GPR4 (EC50 = 13 [$\pm$ 7] nM) compared to the racemic compound and its activity crossed over to the rat and mouse forms of GPR40 (EC50 = 23 and 13 nM, respectively). AMG 837 was found to be a partial agonist on GPR40 with maximal activity 85% of that shown by DHA under our standard assay conditions. AMG 837 is a highly potent stimulator of insulin secretion in MIN6 cells with an EC50 comparable to that seen in the aequorin Ca²⁺-flux assay. showed

no significant activity in cell-based assays against PPAR α , δ , and γ . An external panel of 64 receptors also revealed no significant activity with the exception of weak inhibition (IC50 = 3 μ M) on the α 2-adrenergic receptor. Overall, AMG 837 was both highly potent and selective in vitro.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!