

GSK-269984A

Catalog No: tcsc0003376



Available Sizes

Size: 1mg

Size: 5mg



Specifications

CAS No:

892664-04-9

Formula:

$C_{20}H_{14}Cl_2FNNaO_3$

Pathway:

GPCR/G Protein

Target:

Prostaglandin Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

429.22

Product Description

GSK-269984A is a **Prostaglandin E2 Receptor 1 (EP1)** antagonist with a **pIC₅₀** of 7.9.

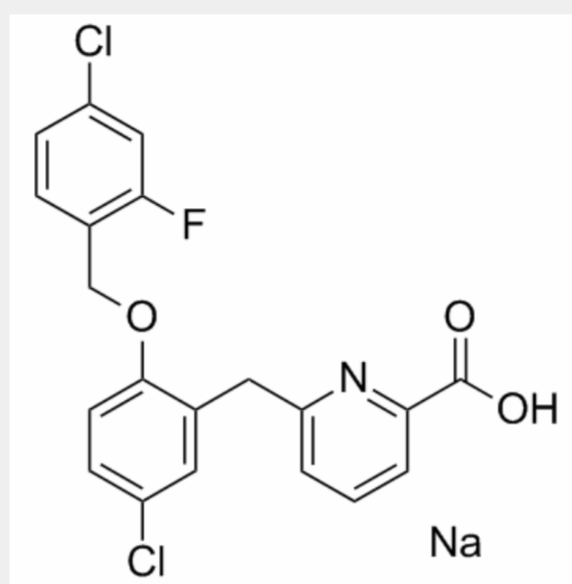
IC50 & Target: pIC50: 7.9 (Prostaglandin E2 Receptor 1 (EP1))^[1]

In Vitro: Results from [³H]-PGE₂ binding assay in CHO cells overexpressing the human EP₁ receptor demonstrate that GSK-269984A is an antagonist of EP₁ receptor with a pIC₅₀ of 7.9. GSK-269984A is found to cause a concentration-dependent rightward shift of the

PGE₂ dose-response curve and Schild analysis shows that GSK-269984A is a competitive antagonist with pA₂ 8.1±0.3 and slope 1.0 [1].

In Vivo: GSK-269984A demonstrates an ED₅₀ of 2.6 mg/kg (po), with the 10 mg/kg dose showing equivalent reversal of hypersensitivity to the standard. GSK-269984A displays moderate blood clearance in the rat

and dog and high clearance in the monkey which is reflected in the half-life for each species^[1].



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