

# 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 **pIC<sub>50</sub>** of 7.9.

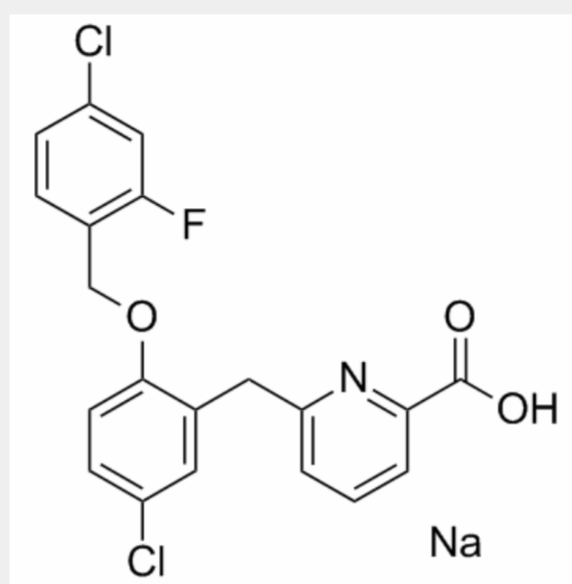
IC50 & Target: pIC50: 7.9 (Prostaglandin E2 Receptor 1 (EP1))<sup>[1]</sup>

**In Vitro:** Results from [<sup>3</sup>H]-PGE<sub>2</sub> binding assay in CHO cells overexpressing the human EP<sub>1</sub> receptor demonstrate that GSK-269984A is an antagonist of EP<sub>1</sub> receptor with a pIC<sub>50</sub> of 7.9. GSK-269984A is found to cause a concentration-dependent rightward shift of the

PGE<sub>2</sub> dose-response curve and Schild analysis shows that GSK-269984A is a competitive antagonist with pA<sub>2</sub> 8.1±0.3 and slope 1.0 [1].

**In Vivo:** GSK-269984A demonstrates an ED<sub>50</sub> 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<sup>[1]</sup>.



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