



## **GSK-269984A**

Catalog No: tcsc0003376

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## **Available Sizes**

Size: 1mg

Size: 5mg



## **Specifications**

CAS No:

892664-04-9

Formula:

 $C_{20}H_{14}CI_2FNNaO_3$ 

**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  $pIC_{50}$  of 7.9.

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

In Vitro: Results from [ $^3$ H]-PGE $_2$  binding assay in CHO cells overexpressing the human EP $_1$  receptor demonstrate that GSK-269984A is an antagonist of EP $_1$  receptor with a pIC $_{50}$  of 7.9. GSK-269984A is found to cause a concentration-dependent rightward shift of the





 $PGE_2$  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  $ED_{50}$  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!