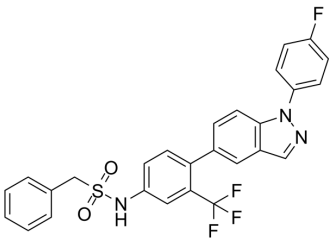
GSK9027

Cat. No.:	HY-103548
CAS No.:	1229096-88-1
Molecular Formula:	$C_{27}H_{19}F_4N_3O_2S$
Molecular Weight:	525.52
Target:	Glucocorticoid Receptor
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (475.72 mM; Need ultrasonic)

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	1.9029 mL	9.5144 mL	19.0288 mL
5 mM	0.3806 mL	1.9029 mL	3.8058 mL
10 mM	0.1903 mL	0.9514 mL	1.9029 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GSK9027, as a non-steroidal glucocorticoid receptor (GR) agonist, behaves as a partial agonist on the 2×glucocorticoid response element (GRE) reporter system, and achieves intrinsic activities relative to dexamethasone[1][2].

IC_{50} & Target

GR[2]

In Vitro

GSK9027 demonstrates reduced 2×GRE reporter activation and is partial agonists[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rider CF, et al. Cytokine-Induced Loss of Glucocorticoid Function: Effect of Kinase Inhibitors, Long-Acting β2-Adrenoceptor Agonist and Glucocorticoid Receptor Ligands. PLoS ONE. 2015; 10(1): e0116773.

[2]. Rider, C. F., et al. TNF±-Induced Glucocorticoid Resistance: Inhibition Of Inflammatory Signalling And The Effect On Full And Partial GR Agonists. 2012

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