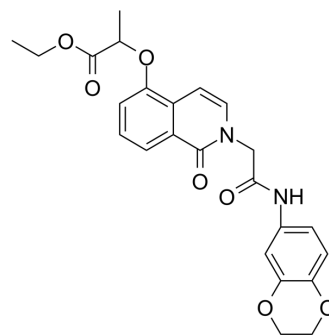


SID 7969543

Cat. No.:	HY-107404		
CAS No.:	868224-64-0		
Molecular Formula:	C ₂₄ H ₂₄ N ₂ O ₇		
Molecular Weight:	452.46		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	SID 7969543 is a selective SF-1 (steroidogenic factor 1, NR5A1) inhibitor with an IC ₅₀ of 760 nM. SID 7969543 inhibits SF-1-triggered luciferase expression with IC ₅₀ of 30 nM. SF-1 is a transcription factor belonging to the nuclear receptor superfamily ^{[1][2]} .
In Vitro	SID 7969543 shows IC ₅₀ s of >33,333 nM for RORα, VP-16, respectively ^[1] . SID 7969543 is assayed for functional activity against HEK 293T cells co-transfected with a plasmid encoding full length SF-1 and a second vector allowing expression of the luciferase gene under control of five tandem repeats of the natural SF-1 response element (SFRE). SID 7969543 inhibits SF-1-triggered luciferase expression with IC ₅₀ values of 30 ± 15 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Madoux F, et al. Potent, selective and cell penetrant inhibitors of SF-1 by functional ultra-high-throughput screening. *Mol Pharmacol.* 2008;73(6):1776-1784.
- [2]. Roth J, et al. Synthesis of small molecule inhibitors of the orphan nuclear receptor steroidogenic factor-1 (NR5A1) based on isoquinolinone scaffolds. *Bioorg Med Chem Lett.* 2008;18(8):2628-2632.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA