

Product Name: GSK256066 Revision Date: 01/10/2021

Product Data Sheet

GSK256066

Cat. No.: A4331

CAS No.: 801312-28-7
Formula: C27H26N4O5S

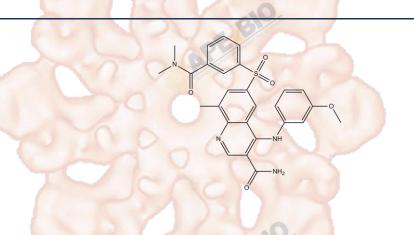
M.Wt: 518.58

Synonyms:

Target: Metabolism

Pathway: PDE

Storage: Store at -20°C



Solvent & Solubility

insoluble in DMSO; insoluble in EtOH; insoluble in H2O

In Vitro

In Vitro

Preparing Stock Solutions	Solvent Concentration	1mg	5mg	10mg
	1 mM	1.9283 mL	9.6417 mL	19.2834 mL
	5 mM	0.3857 mL	1.9283 mL	3.8567 mL
	10 mM	0.1928 mL	0.9642 mL	1.9283 mL

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

Biological Activity

Snortsummary	PDE4-inhibitor, selective and highly poter
--------------	--

IC₅₀ & Target 3.2 pM (PDE4)

Cell Viability Assay

Cell Line: Human peripheral blood mononuclear cells, PBMCs

Preparation method: Limited solubility. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Reacting conditions: 0.1 pM-1 nM, 20 h

Applications:		GSK256066 effectively inhibited tumor necrosis factor a (TNFa) production by			
		LPS-stimulated PBMCs with IC50 value of 0.01 nM and by LPS-stimulated			
		whole blood with IC50 value of 126 pM.GSK256066 was more potent in both			
		PBMCs and whole blood than other comparator compounds tested.			
	Animal experiment	nimal experiment			
In Vivo	Dosage form:	25 mg or 87.5 mg, once daily for 28 days			
	Applications:	Administration of the potent inhaled PDE4 inhibitor GSK256066 was			
	A CONTRACTOR OF	well-tolerated and did not give rise to gastrointestinal adverse events in			
		patients with moderate COPD. Patients administrated 87.5 mg GSK256066			
		showed a trend for improvement in lung function and some potential to reduce			
		lung hyperinflation.			
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may			
		slightly differ with the theoretical value. This is caused by an experimental			
		system error and it is normal.			
	Blo	BIO			
Product Citations		AP Live of the second s			

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Tralau-Stewart C J, Williamson R A, Nials A T, et al. GSK256066, an exceptionally high-affinity and selective inhibitor of phosphodiesterase 4 suitable for administration by inhalation: in vitro, kinetic, and in vivo characterization[J]. Journal of Pharmacology and Experimental Therapeutics, 2011, 337(1): 145-154.

[2]. Watz H, Mistry S J, Lazaar A L. Safety and tolerability of the inhaled phosphodiesterase 4 inhibitor GSK256066 in moderate COPD[J]. Pulmonary pharmacology & Department (2013), 26(5): 588-595.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com



APE, BIO

APE BIO

APE BIO

APE BIO

APE, BIO

APE BIO