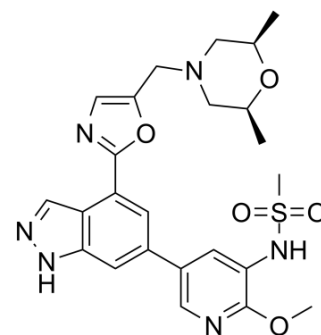


GSK2292767

Cat. No.:	HY-15280
CAS No.:	1254036-66-2
Molecular Formula:	C ₂₄ H ₂₈ N ₆ O ₅ S
Molecular Weight:	512.58
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	GSK2292767 is a potent and selective inhibitor of PI3Kδ , with a pIC₅₀ of 10.1. GSK2292767 showing greater than 500-fold selective over the other PI3K isoforms. GSK2292767 can be used for the research of respiratory disease ^[1] .
IC ₅₀ & Target	PI3Kδ 10.1 (pIC ₅₀)
In Vivo	GSK2292767 exhibits high clearance (50 mL/min/kg) in vivo and low oral bioavailability (F < 2%) in a rat PK study ^[1] . GSK2292767 (0.01-1 μM) has no effect on QT interval, T _{p-e} , or QRS and no significant risk of TdP arrhythmias in a rabbit cardiac ventricular wedge assay ^[1] . GSK2292767 protects against eosinophil recruitment with an ED ₅₀ of 35 μg/kg in the brown Norway rat acute OVA model of Th2 driven inflammation in the lungs of rats ^[1] .

REFERENCES

[1]. Down K, et, al. Optimization of Novel Indazoles as Highly Potent and Selective Inhibitors of Phosphoinositide 3-Kinase δ for the Treatment of Respiratory Disease. *J Med Chem.* 2015 Sep 24; 58(18): 7381-99.

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