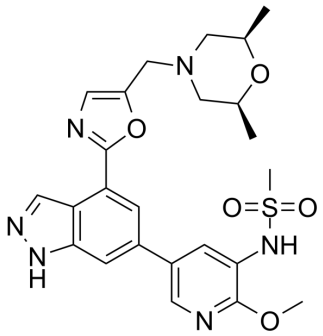
GSK2292767

Cat. No.:	HY-15280
CAS No.:	1254036-66-2
Molecular Formula:	$C_{24}H_{28}N_6O_5S$
Molecular Weight:	512.58
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GSK2292767 is a potent and selective inhibitor of PI3Kδ, with a pIC_{50} 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, $T_{p\boxtimes e}$, 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]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.

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