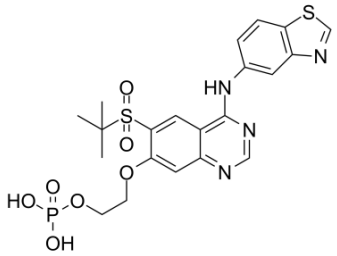
GSK2983559 free acid

Cat. No.:	HY-112038
CAS No.:	1579965-12-0
Molecular Formula:	$C_{21}H_{23}N_4O_7PS_2$
Molecular Weight:	538.53
Target:	RIP kinase
Pathway:	Apoptosis
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 : 5 mg/mL (9.28 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.8569 mL	9.2845 mL	18.5691 mL
5 mM	0.3714 mL	1.8569 mL	3.7138 mL
10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

GSK2983559 free acid (compound 3) is a potent, specific and oral bioavailable receptor interacting protein 2 (RIP2) kinase inhibitor. GSK2983559 free acid has excellent activity in blocking many proinflammatory cytokine responses in vivo and in human inflammatory bowel disease explant samples[1].

IC_{50} & Target

RIP2[1]

REFERENCES

[1]. Haile PA, et al. Discovery of a First-in-Class Receptor Interacting Protein 2 (RIP2) Kinase Specific Clinical Candidate, 2-((4-(Benzo[d]thiazol-5-ylamino)-6-(tert-butylsulfonyl)quinazolin-7-yl)oxy)ethyl Dihydrogen Phosphate, for the Treatment of Inflammatory Diseases. J Med Chem. 2019 Jul 25;62(14):6482-6494.

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

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