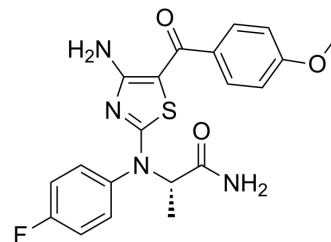


(S)-BAY 2965501

Cat. No.:	HY-153343A		
CAS No.:	2732902-09-7		
Molecular Formula:	C ₂₀ H ₁₉ FN ₄ O ₃ S		
Molecular Weight:	414.45		
Target:	DGK; ERK		
Pathway:	Metabolic Enzyme/Protease; MAPK/ERK Pathway; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (301.60 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4128 mL	12.0642 mL	24.1284 mL
5 mM	0.4826 mL	2.4128 mL	4.8257 mL
10 mM	0.2413 mL	1.2064 mL	2.4128 mL

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

BIOLOGICAL ACTIVITY

Description

(S)-BAY 2965501 is the left-handed isomer of BAY 2965501 (HY-153343). BAY 2965501 is a potent and selective diacylglycerol kinase zeta (DGK ζ) inhibitor. BAY 2965501 induces pERK activation. BAY 2965501 can be used for the research of cancer^[1].

IC₅₀ & Target

DGK ζ ^[1]

REFERENCES

[1]. Schubert N, et al. Phosphorylated extracellular signal-regulated kinase (pERK) activation in T effector cells as a target engagement biomarker for the DGK ζ inhibitor BAY2965501 in clinical trials. *Cancer Research*, 2023, 83(7_Supplement): 2116-2116.

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

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