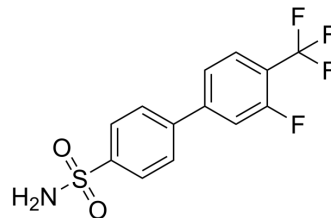


PVZB1194

Cat. No.:	HY-122247		
CAS No.:	1141768-04-8		
Molecular Formula:	C ₁₃ H ₉ F ₄ NO ₂ S		
Molecular Weight:	319.27		
Target:	Kinesin		
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton		
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 : 250 mg/mL (783.04 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1321 mL	15.6607 mL	31.3215 mL
	5 mM	0.6264 mL	3.1321 mL	6.2643 mL
	10 mM	0.3132 mL	1.5661 mL	3.1321 mL

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

BIOLOGICAL ACTIVITY

Description

PVZB1194 is a biphenyl-type inhibitor of Kinesin spindle protein Eg5 or KIF11. Eg5 is related to the cell cycle, and Eg5 inhibition can lead to cell cycle arrest and apoptosis. PVZB1194 exhibits anticancer potential via inhibiting Eg5 ATPase activity. PVZB1194 binds to the α4/α6 allosteric pocket, and shows ATP competitive activity^[1].

IC₅₀ & Target

Eg5

REFERENCES

[1]. Yokoyama H, et al. Structural basis of new allosteric inhibition in Kinesin spindle protein Eg5. ACS Chem Biol. 2015 Apr 17;10(4):1128-36.

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

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