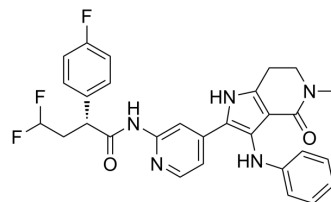


CSNK1-IN-1

Cat. No.:	HY-148489
CAS No.:	2468784-55-4
Molecular Formula:	C ₂₉ H ₂₆ F ₃ N ₅ O ₂
Molecular Weight:	533.54
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.6 mg/mL (8.62 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8743 mL	9.3714 mL	18.7427 mL
	5 mM	0.3749 mL	1.8743 mL	3.7485 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description	CSNK1-IN-1 is a CSNK1A1 inhibitor. CSNK1-IN-1 has inhibitory activity for CSNK1A1 kinase with IC ₅₀ values of 21 μM. CSNK1-IN-1 can be used for the research of proliferative disorders ^[1] .
IC₅₀ & Target	IC ₅₀ : 21 μM (CSNK1A1 kinase) ^[1]
In Vitro	CSNK1-IN-1 has inhibitory activity for CSNK1A1, CSNK1D and CSNK1A1 (in high ATP) with IC ₅₀ values of 21μM, 29.7μM and 1.5 nM, respectively ^[1] . CSNK1-IN-1 shows low inhibition for wild type-EGFR kinase with an IC ₅₀ value of >20 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Volker Schulze, et al. 3-amino-2-[2-(acylamino)pyridin-4-yl]-1,5,6,7-tetrahydro-4h-pyrrolo[3,2-c]pyridin-4-one as csnk1 inhibitors. Patent. WO2020161257 A1.

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

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