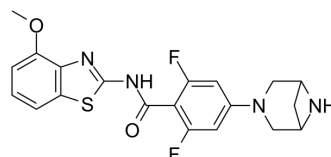


ALPK1-IN-2

Cat. No.:	HY-147562
CAS No.:	2765633-68-7
Molecular Formula:	C ₂₀ H ₁₈ F ₂ N ₄ O ₂ S
Molecular Weight:	416.44
Target:	NF-κB
Pathway:	NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMF : 50 mg/mL (120.07 mM; Need ultrasonic)
DMSO : 50 mg/mL (120.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		2.4013 mL	12.0065 mL	24.0131 mL
	5 mM		0.4803 mL	2.4013 mL	4.8026 mL
	10 mM		0.2401 mL	1.2007 mL	2.4013 mL

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

BIOLOGICAL ACTIVITY

Description

ALPK1-IN-2 (compound T001) is a potent ALPK1 (alpha-kinase 1) inhibitor, with an IC₅₀ of 95 nM. ALPK1-IN-2 also inhibits NF-κB, with an IC₅₀ of 1.31 μM^[1].

IC₅₀ & Target

IC₅₀: 95 nM (ALPK1), 1.31 μM (NF-κB)^[1]

REFERENCES

[1]. Danyang Liu, et al. Benzothiazole and quinoline derivatives and their use. WO2022063153A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA