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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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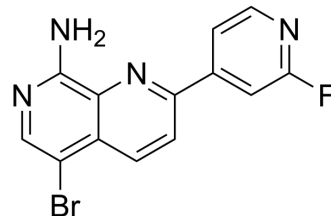
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TNIK-IN-6

Cat. No.:	HY-156817		
CAS No.:	2375196-40-8		
Molecular Formula:	C ₁₃ H ₈ BrFN ₄		
Molecular Weight:	319.13		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.67 mg/mL (20.90 mM); ultrasonic and adjust pH to 3 with 1 M HCL

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1335 mL	15.6676 mL	31.3352 mL
5 mM	0.6267 mL	3.1335 mL	6.2670 mL
10 mM	0.3134 mL	1.5668 mL	3.1335 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.67 mg/mL (2.10 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.67 mg/mL (2.10 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TNIK-IN-6 (Compound 9) is an inhibitor of Traf2 and Nck-interacting kinase (TNIK) and , with IC₅₀ of 0.93 μM, that plays important roles in neurological and psychiatric disorders^{[1][2]}.

REFERENCES

- [1]. Koc-Kan Ho, et al. Discovery of 4-phenyl-2-phenylaminopyridine based TNIK inhibitors. Bioorg Med Chem Lett. 2013 Jan 15;23(2):569-73.
- [2]. Jon Read, et al. Tool inhibitors and assays to interrogate the biology of the TRAF2 and NCK interacting kinase. Bioorg Med Chem Lett. 2019 Aug 1;29(15):1962-1967.

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

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