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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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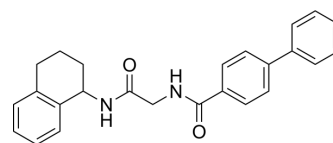
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TAO Kinase inhibitor 1

Cat. No.:	HY-112136
CAS No.:	850467-66-2
Molecular Formula:	C ₂₅ H ₂₄ N ₂ O ₂
Molecular Weight:	384.47
Target:	MAP3K
Pathway:	MAPK/ERK Pathway
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (162.56 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.6010 mL	13.0049 mL	26.0098 mL
		5 mM		0.5202 mL	2.6010 mL	5.2020 mL
		10 mM		0.2601 mL	1.3005 mL	2.6010 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.41 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.41 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	TAO Kinase inhibitor 1 (compound 43) is a selective, ATP-competitive thousand-and-one amino acid kinases (TAOK) inhibitor with IC ₅₀ s of 11 to 15 nM for TAOK1 and 2, respectively. TAO Kinase inhibitor 1 delays mitosis and induces mitotic cell death ^[1] .
IC ₅₀ & Target	The MAP3K (Mitogen Activated Protein Kinase Kinase Kinase) TAOK (Thousand-And-One Kinase)
In Vitro	TAO Kinase inhibitor 1 delays mitosis and induces mitotic cell death in centrosome amplified breast cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Eur J Pharm Sci. 2020 Dec 1;155:105557.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Koo CY, et al. Targeting TAO Kinases Using a New Inhibitor Compound Delays Mitosis and Induces Mitotic Cell Death in Centrosome Amplified Breast Cancer Cells. Mol Cancer Ther. 2017 Nov;16(11):2410-2421.

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

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