



SZABO SCANDIC

Part of Europa Biosite

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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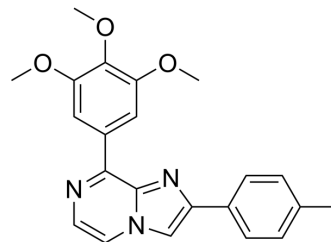
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Tubulin polymerization-IN-47

Cat. No.:	HY-155962
CAS No.:	2834087-62-4
Molecular Formula:	C ₂₂ H ₂₁ N ₃ O ₃
Molecular Weight:	375.42
Target:	Microtubule/Tubulin
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 : 125 mg/mL (332.96 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6637 mL	13.3184 mL	26.6368 mL
	5 mM		0.5327 mL	2.6637 mL	5.3274 mL
	10 mM		0.2664 mL	1.3318 mL	2.6637 mL

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

BIOLOGICAL ACTIVITY

Description

Tubulin polymerization-IN-47 (Compound 4h) is a tubulin polymerization inhibitor and mitotic inhibitor. Tubulin polymerization-IN-47 inhibits neuroblastoma cancer cell proliferation, with IC₅₀s of 7 and 12 nM for Chp-134 and Kelly cell line^[1].

REFERENCES

[1]. Joshua Thammathong, et al. Fused Imidazopyrazine-Based Tubulin Polymerization Inhibitors Inhibit Neuroblastoma Cell Function. ACS Med. Chem. Lett. 2023.

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

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