



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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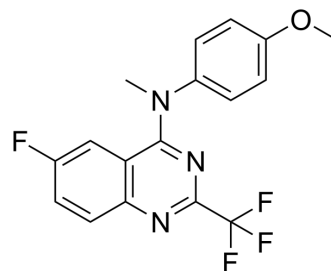
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Tubulin polymerization-IN-43

Cat. No.:	HY-149363
CAS No.:	2773345-90-5
Molecular Formula:	C ₁₇ H ₁₃ F ₄ N ₃ O
Molecular Weight:	351.3
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (284.66 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8466 mL	14.2328 mL	28.4657 mL
	5 mM	0.5693 mL	2.8466 mL	5.6931 mL
	10 mM	0.2847 mL	1.4233 mL	2.8466 mL

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

BIOLOGICAL ACTIVITY

Description

Tubulin polymerization-IN-43 (compound 15h) is a tubulin polymerization inhibitor. Tubulin polymerization-IN-43 disrupts cellular microtubule networks by targeting the Colchicine (HY-16569) site, and promotes cell cycle arrest of leukemia cells at G2/M phase and cell apoptosis, as well as inhibiting angiogenesis^[1].

REFERENCES

[1]. Wu H, et, al. Discovery of novel N-aryl-2-trifluoromethyl-quinazoline-4-amine derivatives as the inhibitors of tubulin polymerization in leukemia cells. Eur J Med Chem. 2023 Aug 5;256:115470.

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

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