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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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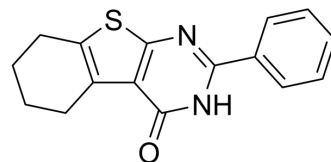
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Antiproliferative agent-15

Cat. No.:	HY-W278944
CAS No.:	19819-18-2
Molecular Formula:	C ₁₆ H ₁₄ N ₂ OS
Molecular Weight:	282.36
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 1.67 mg/mL (5.91 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5416 mL	17.7079 mL	35.4158 mL
	5 mM	0.7083 mL	3.5416 mL	7.0832 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Antiproliferative agent-15 is an anticancer agent. Antiproliferative agent-15 shows antiproliferative activity against human colon (HCT116 and HCT15) and brain (LN-229 and GBM-10) cancer cell lines^[1].

In Vitro

Antiproliferative agent-15 (compound 6a) shows antiproliferative activity against human colon (HCT116 and HCT15), brain (LN-229 and GBM-10) cancer cell lines, with IC₅₀ values of 8.3 μM, 4.8 μM, 18.3 μM, and 12 μM, respectively. However, Antiproliferative agent-15 has no active against ovarian (A2780) cancer cell lines and normal cell line (CHO)^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Haneen Amawi, et al. Thienopyrimidine derivatives exert their anticancer efficacy via apoptosis induction, oxidative stress and mitotic catastrophe. Eur J Med Chem. 2017 Sep 29;138:1053-1065.

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

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