



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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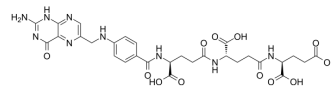
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Pteropterin

Cat. No.:	HY-127118
CAS No.:	89-38-3
Molecular Formula:	C ₂₉ H ₃₃ N ₉ O ₁₂
Molecular Weight:	699.63
Target:	Others
Pathway:	Others
Storage:	-20°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 (142.93 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.4293 mL	7.1466 mL	14.2933 mL
		5 mM		0.2859 mL	1.4293 mL	2.8587 mL
	10 mM		0.1429 mL	0.7147 mL	1.4293 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: ≥ 2.5 mg/mL (3.57 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Pteropterin (Pteroyltriglutamic) is an active form of folate. Pteropterin shows inhibiting effect on tumor growth and has broad anticancer activity ^{[1][2]} .
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REFERENCES

[1]. Stine ZE, et al. Targeting cancer metabolism in the era of precision oncology. *Nat Rev Drug Discov.* 2022 Feb;21(2):141-162.

[2]. Muthu M, et al. Current Status and Future Prospects of Clinically Exploiting Cancer-specific Metabolism-Why Is Tumor Metabolism Not More Extensively Translated into Clinical Targets and Biomarkers? *Int J Mol Sci.* 2019 Mar 19;20(6):1385.

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

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