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Produktinformation



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Diagnostik & molekulare Diagnostik



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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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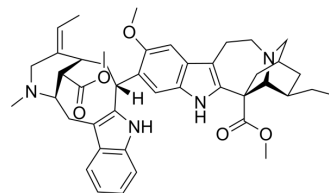
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Voacamine

Cat. No.:	HY-N6932
CAS No.:	3371-85-5
Molecular Formula:	C ₄₃ H ₅₂ N ₄ O ₅
Molecular Weight:	704.9
Target:	Cannabinoid Receptor; P-glycoprotein
Pathway:	GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
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 (141.86 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.4186 mL	7.0932 mL	14.1864 mL
	5 mM	0.2837 mL	1.4186 mL	2.8373 mL
	10 mM	0.1419 mL	0.7093 mL	1.4186 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (3.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (3.55 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Voacamine, an indole alkaloid, exhibits potent cannabinoid CB1 receptor antagonistic activity^[1]. Voacamine also inhibits P-glycoprotein (P-gp) action in multidrug-resistant tumor cells^[1].

REFERENCES

- Kitajima M, et al. Discovery of indole alkaloids with cannabinoid CB1 receptor antagonistic activity. *Bioorg Med Chem Lett*. 2011 Apr 1;21(7):1962-4.
- Meschini S, et al. Voacamine, an alkaloid extracted from *Peschiera fuchsiaefolia*, inhibits P-glycoprotein action in multidrug-resistant tumor cells. *Int J Oncol*. 2005 Dec;27(6):1597-603.

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

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