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Produktinformation



Forschungsprodukte & Biochemikalien



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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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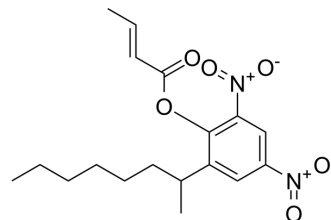
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Meptyldinocap

Cat. No.:	HY-17522
CAS No.:	131-72-6
Molecular Formula:	C ₁₈ H ₂₄ N ₂ O ₆
Molecular Weight:	364.39
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 150 mg/mL (411.65 mM)
 Ethanol : 100 mg/mL (274.43 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.7443 mL	13.7216 mL	27.4431 mL
	5 mM		0.5489 mL	2.7443 mL	5.4886 mL
	10 mM		0.2744 mL	1.3722 mL	2.7443 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 (6.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (6.86 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Meptyldinocap (2,4-DNOPC) is a novel powdery mildew (*Erysiphe necator*) fungicide which shows protectant and post-infective activities.

REFERENCES

- [1]. Zhang Z, et al. Analytical method for the determination of meptyldinocap as the 2,4-dinitro-octylphenol metabolite in cucumber and soil using LC-MS/MS and a study

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

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