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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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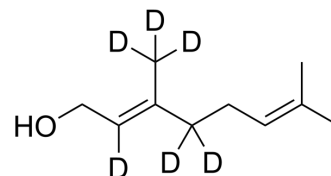
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Geraniol-d₆ (Major)

Cat. No.:	HY-W782079
CAS No.:	1660976-93-1
Molecular Formula:	C ₁₀ H ₁₂ D ₆ O
Molecular Weight:	160.29
Target:	Apoptosis; Fungal; Bacterial
Pathway:	Apoptosis; Anti-infection
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 (623.87 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.2387 mL	31.1935 mL	62.3869 mL
	5 mM		1.2477 mL	6.2387 mL	12.4774 mL
	10 mM		0.6239 mL	3.1193 mL	6.2387 mL

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

BIOLOGICAL ACTIVITY

Description

Geraniol-d₆ (Major) is the deuterated labeled Geraniol (Major). Geraniol is an olefin terpene with oral activity. Geraniol inhibits cell proliferation and promotes apoptosis. Geraniol has antibacterial, antifungal, antioxidant, anti-inflammatory and antitumor activities. Geraniol can be used to study diabetes^{[1][2][3][4][5]}.

REFERENCES

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- [2]. Kim SH, et al. Geraniol inhibits prostate cancer growth by targeting cell cycle and apoptosis pathways. Biochem Biophys Res Commun. 2011 Apr 1;407(1):129-34.
- [3]. Babukumar S, et al. Geraniol, a natural monoterpene, ameliorates hyperglycemia by attenuating the key enzymes of carbohydrate metabolism in streptozotocin-induced diabetic rats. Pharm Biol. 2017 Dec;55(1):1442-1449.
- [4]. Hosseini SM, et al. Geraniol attenuates oxidative stress, bioaccumulation, serological and histopathological changes during aluminum chloride-hepatopancreatic toxicity in male Wistar rats. Environ Sci Pollut Res Int. 2020 Jun;27(16):20076-20089.

[5]. Pereira Fde O, et al. Antifungal activity of geraniol and citronellol, two monoterpenes alcohols, against *Trichophyton rubrum* involves inhibition of ergosterol biosynthesis. *Pharm Biol.* 2015 Feb;53(2):228-34.

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

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