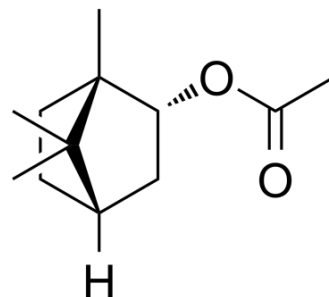


(-)-Bornyl acetate

Cat. No.:	HY-N0756A		
CAS No.:	5655-61-8		
Molecular Formula:	C ₁₂ H ₂₀ O ₂		
Molecular Weight:	196.29		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(-)-Bornyl acetate (L-(-)-Bornyl acetate), isolated from hyssop oil, is a less active enantiomer of (+)-Bornyl acetate. (-)-Bornyl acetate possesses antifungal activity ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	<p>The wavy roots from seedlings exposed to (-)-bornyl acetate are significantly longer than those from seedlings exposed to (-)-bornyl acetate^[1].</p> <p>(-)-Bornyl acetate (L-bornyl acetate), when applied individually to barley seedlings, reduced powdery mildew infection compared with controls not containing ether^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Jun-Ichiro Horiuchi, et al. Exposing Arabidopsis seedlings to borneol and bornyl acetate affects root growth: Specificity due to the chemical and optical structures of the compounds. Journal of Plant Interactions Volume 2, 2007 - Issue 2.

[2]. M. P. LETESSIER ETESSIE, et al. Antifungal Activity of the Essential Oil of Hyssop (Hyssopus officinalis). J. Phytopathology 149, 673±678 (2001).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA