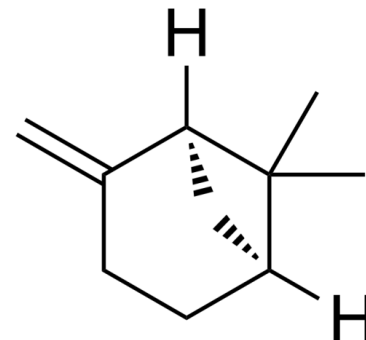


Data Sheet

Product Name:	β-Pinene
Cat. No.:	CS-0009078
CAS No.:	18172-67-3
Molecular Formula:	C ₁₀ H ₁₆
Molecular Weight:	136.23
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : ≥ 250 mg/mL (1835.13 mM)



BIOLOGICAL ACTIVITY:

β-Pinene ((-)-β-Pinene), a major component of turpentine, inhibit **infectious bronchitis virus (IBV)** with an **IC₅₀** of 1.32 mM. β-Pinene presents antimicrobial activity^{[1][2]}.

References:

[1]. Guzmán-Gutiérrez SL, et al. Linalool and β-pinene exert their antidepressant-like activity through the monoaminergic pathway. *Life Sci.* 2015 May 1;128:24-9.

[2]. Yang Z, et al. Comparative anti-infectious bronchitis virus (IBV) activity of (-)-pinene: effect on nucleocapsid (N) protein. *Molecules.* 2011 Jan 25;16(2):1044-54.

CAIndexNames:

Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-,(1S,5S)-

SMILES:

C=C1[C@@](C2)([H])C(C)C[C@@]2([H])CC1

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

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