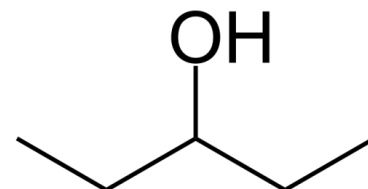


Data Sheet

Product Name:	3-Pentanol
Cat. No.:	CS-0128838
CAS No.:	584-02-1
Molecular Formula:	C ₅ H ₁₂ O
Molecular Weight:	88.15
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : 100 mg/mL (1134.43 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

3-Pentanol is an active organic compound produced by plants and is a component of emitted insect sex pheromones. 3-pentanol elicits plant immunity against microbial pathogens and an insect pest in crop plants^[1].

References:

[1]. Geun C Song, et al. Gaseous 3-pentanol primes plant immunity against a bacterial speck pathogen, *Pseudomonas syringae* pv. tomato via salicylic acid and jasmonic acid-dependent signaling pathways in Arabidopsis. *Front Plant Sci.* 2015 Oct 6;6:821.

CAIndexNames:

3-Pentanol

SMILES:

CCC(O)CC

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

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