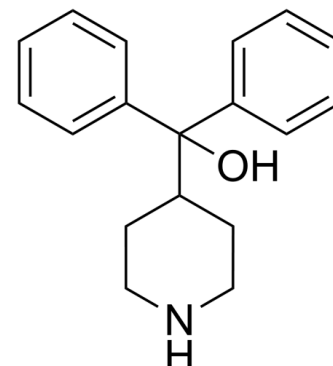


Data Sheet

Product Name:	Azacyclonol
Cat. No.:	CS-2754
CAS No.:	115-46-8
Molecular Formula:	C ₁₈ H ₂₁ NO
Molecular Weight:	267.37
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Solubility:	DMSO : 100 mg/mL (374.01 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Azacyclonol (γ-pipradol), a metabolite of Terfenadine, is a central depressant agent. Azacyclonol is a ganglion-blocking agent. Azacyclonol can be used to diminish psychoses-induced hallucinations^{[1][2][3]}. *In Vitro*: Azacyclonol is formed from Terfenadine in rat liver^[2]. *In Vivo*: Azacyclonol causes depressed activity in mice and rats^[3]. Azacyclonol antagonizes increased coordination activity in mice induced by pipradrol, amphetamine, morphine and cocaine and prolongs Hexobarbital hypnosis^[3].

References:

- [1]. Brown DA, et, al. The effects of some centrally acting drugs on ganglionic transmission in the cat.
- [2]. Jurima-Romet M, et, al. Induction of CYP3A and associated terfenadine N-dealkylation in rat hepatocytes cocultured with 3T3 cells. Cell Biol Toxicol. 1995 Dec;11(6):313-27.
- [3]. BRAUN DL, et, al. The pharmacologic activity of alpha-(4-piperidyl)-benzhydrol hydrochloride (azacyclonol hydrochloride); an ataractive agent. J Pharmacol Exp Ther. 1956 Oct;118(2):153-61.

CAIndexNames:

4-Piperidinemethanol, α,α-diphenyl-

SMILES:

OC(C1=CC=CC=C1)(C2CCNCC2)C3=CC=CC=C3

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

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