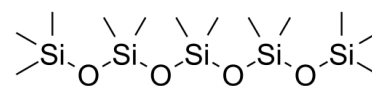


Data Sheet

Product Name:	Dodecamethylpentasiloxane
Cat. No.:	CS-W011751
CAS No.:	141-63-9
Molecular Formula:	C ₁₂ H ₃₆ O ₄ Si ₅
Molecular Weight:	384.84
Target:	Parasite
Pathway:	Anti-infection
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Dodecamethylpentasiloxane is a component of siloxanes and can be used as silicone oil. Dodecamethylpentasiloxane exhibits insecticidal activity against bed bug^{[1][2]}.

References:

[1]. Luuc Keulen, et al. Bubble-Point Measurements and Modeling of Binary Mixtures of Linear Siloxanes. J Chem Eng Data. 2018;63:10.1021/acs.jced.8b00200.

[2]. Chen Zha, et al. Toxicities of Selected Essential Oils, Silicone Oils, and Paraffin Oil Against the Common Bed Bug (Hemiptera: Cimicidae). J Econ Entomol. 2018 Feb 9;111(1):170-177.

CAIndexNames:

Pentasiloxane, 1,1,1,3,3,5,5,7,7,9,9,9-dodecamethyl-

SMILES:

C[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)C

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