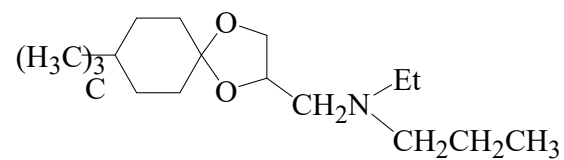




>>Entry Name: Spiroxamine, BSI

Synonym(s): 8-(1,1-Dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine, 9Cl. (8-*tert*-Butyl-1,4-dioxaspiro[4.5]decan-2-ylmethyl)(ethyl)(propyl)amine. Impulse. Prosper. KWG 4168



CAS Registry Number: 118134-30-8

Molecular Formula: C₁₈H₃₅NO₂

Molecular Weight: 297.48

Accurate Mass: 297.266779

Percentage Composition: C 72.68%; H 11.86%; N 4.71%; O 10.76%

Biological Use/Importance: Sterol biosynth. inhibitor. Fungicide

Physical Description: Liq.

Boiling Point: Bp 120° dec.

pKa Value: pK_a 6.9

Other Data: Mixt. of diastereoisomers

Hazard & Toxicity: LD₅₀ (rat, orl) 560 mg/kg

Other: Bayer

References:

Ger. Pat., 1988, *Bayer*, 3 735 555; *CA*, **110**, 23868t, (*synth, activity*)

Dutzmann, S. *et al.*, *Brighton Crop Prot. Conf. - Pests Dis.*, 1996, 47-52, (*activity*)

Pesticide Manual, 12th edn., 2000, No. 703