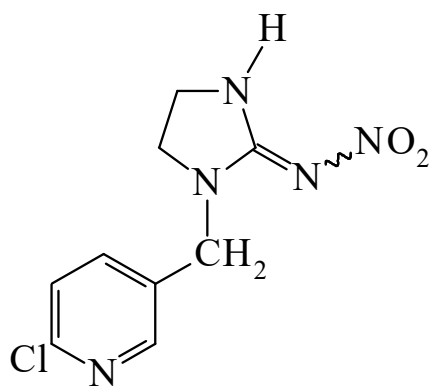




>>Entry Name: Imidacloprid, BSI

Synonym(s): 1-[(6-Chloro-3-pyridinyl)methyl]-4,5-dihydro-*N*-nitro-1*H*-imidazol-2-amine, 9Cl. Gaucho. Admire. Confidor



CAS Registry Number: 105827-78-9

Extra CAS Registry Numbers(s): 138261-41-3

Molecular Formula: C₉H₁₀ClN₅O₂

Molecular Weight: 255.663

Accurate Mass: 255.052302

Percentage Composition: C 42.28%; H 3.94%; Cl 13.87%; N 27.39%; O 12.52%

Use/Importance: Insecticide

Physical Description: Cryst.

Melting Point: Mp 143-144°

Hazard & Toxicity: LD₅₀ (rat, orl) 410 mg/kg

References:

Eur. Pat., 1986, 192 060; *CA*, **106**, 28848p, (*synth, activity*)

Elbert, A. *et al.*, *Br. Crop Prot. Conf. - Pests Dis., Proc.*, 1990, 21, (*activity*)

Pesticide Manual, 9th edn., 1991, No. 7242

Kagabu, S. *et al.*, *Biosci., Biotechnol., Biochem.*, 1998, **62**, 1216-1224, (*uv, ir, pmr, cmr, ms*)