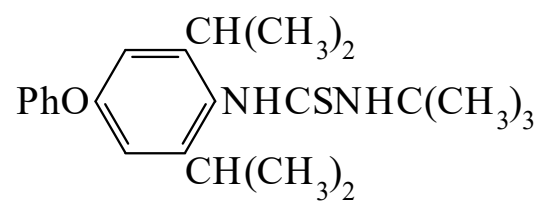




>>Entry Name: **Diafenthiuron**, BSI

Synonym(s): *N*-[2,6-Bis(1-methylethyl)-4-phenoxyphenyl]-*N'*-(1,1-dimethylethyl)thiourea, 9Cl. 1-*tert*-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea. CGA 106630



CAS Registry Number: 80060-09-9

Molecular Formula: C₂₃H₃₂N₂OS

Molecular Weight: 384.585

Accurate Mass: 384.223533

Percentage Composition: C 71.83%; H 8.39%; N 7.28%; O 4.16%; S 8.34%

Use/Importance: Insecticide

Physical Description: Cryst.

Melting Point: Mp 149.6°

Hazard & Toxicity: LD₅₀ (rat, orl) 2068 mg/kg

References:

Eur. Pat., 1987, 210 487; *CA*, **106**, 133834d, (*synth, activity*)

Steinmann, A. *et al.*, *Pestic. Outlook*, 1990, **1**, 3, (*rev*)

Kadir, H.A. *et al.*, *J. Econ. Entomol.*, 1991, **84**, 801, (*metab, activity*)

Pesticide Manual, 9th edn., 1991, 240