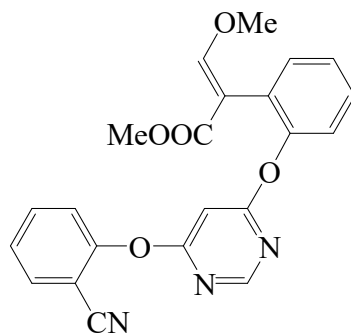




>>Entry Name: Azoxystrobin

Synonym(s): Methyl 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)benzeneacetate, 9CI. Abound. Amistar. ICI A 5504



CAS Registry Number: 131860-33-8

Related CAS Registry Numbers(s): 143130-94-3 152542-38-6

Molecular Formula: C₂₂H₁₇N₃O₅

Molecular Weight: 403.393

Accurate Mass: 403.116822

Percentage Composition: C 65.50%; H 4.25%; N 10.42%; O 19.83%

Use/Importance: Broad-spectrum systemic fungicide

Solubility: Sol. H₂O

Experimental Log P Data: Log P 2.6 (exp)

Other Data: Analogue of Strobilurin A [CJM96-T](#)

Hazard & Toxicity: LD₅₀ (rat) >5000mg/kg

References:

- Eur. Pat.*, 1990, *ICI*, 382 375; *CA*, **114**, 81870f, (*synth azoxystrobin*)
Godwin, J.R. *et al.*, *Brighton Crop Prot. Conf. - Pests Dis.*, 1992, 435, (*azoxystrobin, activity*)
Res. Discl., 1993, **346**, 158; 1995, **370**, 68, (*azoxystrobin*)
Wiggins, T.E. *et al.*, *Biochem. Soc. Trans.*, 1994, **22**, 685, (*azoxystrobin*)
Heaney, S.P. *et al.*, *Brighton Crop Prot. Conf. - Pests Dis.*, 1994, 509, (*azoxystrobin*)
Clough, J.M. *et al.*, *Chem. Br.*, 1995, **31**, 466, (*rev, synth, azoxystrobin*)