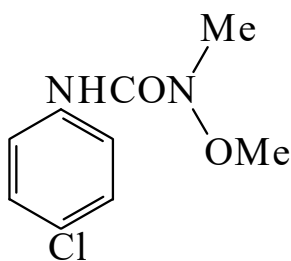




>>Entry Name: Monolinuron, BSI

Synonym(s): *N*'-(4-Chlorophenyl)-*N*-methoxy-*N*-methylurea, 9Cl. 3-(*p*-Chlorophenyl)-1-methoxy-1-methylurea, 8Cl. Aresin. Arezine



CAS Registry Number: 1746-81-2

Molecular Formula: C₉H₁₁ClN₂O₂

Molecular Weight: 214.651

Accurate Mass: 214.050905

Percentage Composition: C 50.36%; H 5.17%; Cl 16.52%; N 13.05%; O 14.91%

Use/Importance: Selective herbicide

Melting Point: Mp 76-78°

Hazard & Toxicity: LD₅₀ (rat, orl) 1800 mg/kg. Exp. reprod. and teratogenic effects

References:

Dalton, R.L. *et al.*, *J. Assoc. Off. Anal. Chem.*, 1962, **45**, 377, (*anal*)

Scherer, O. *et al.*, *Angew. Chem.*, 1963, **75**, 851, (*synth*)

Hogne, E.J., *Weed Sci.*, 1970, **18**, 580, (*pharmacol*)

Pesticide Manual, 9th edn., 1991, No. 8670

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CKD500