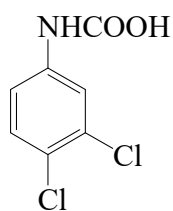




>>Entry Name: (3,4-Dichlorophenyl)carbamic acid, 9Cl

Synonym(s): 3,4-Dichlorocarbanilic acid



CAS Registry Number: 68245-30-7

Molecular Formula: C₇H₅Cl₂NO₂

Molecular Weight: 206.027

Accurate Mass: 204.969733

Percentage Composition: C 40.81%; H 2.45%; Cl 34.42%; N 6.80%; O 15.53%

>>Derivative: Me ester

Synonym(s): Swep. MCC

CAS Registry Number: 1918-18-9

Molecular Formula: C₈H₇Cl₂NO₂

Molecular Weight: 220.054

Accurate Mass: 218.985383

Percentage Composition: C 43.67%; H 3.21%; Cl 32.22%; N 6.37%; O 14.54%

Use/Importance: Herbicide. Now superseded

Physical Description: Needles

Melting Point: Mp 114° (111-112°)

Rare Chemicals Library: S60644-8

>>Derivative: Et ester

CAS Registry Number: 7159-94-6

Molecular Formula: C₉H₉Cl₂NO₂

Molecular Weight: 234.081

Accurate Mass: 233.001033

Percentage Composition: C 46.18%; H 3.88%; Cl 30.29%; N 5.98%; O 13.67%

Melting Point: Mp 73-74°

>>Derivative: Ph ester

CAS Registry Number: 57148-27-3

Molecular Formula: C₁₃H₁₀Cl₂NO₂

Molecular Weight: 283.133

Accurate Mass: 282.008858

Percentage Composition: C 55.15%; H 3.56%; Cl 25.04%; N 4.95%; O 11.30%

Melting Point: Mp 137°

References:

Beaver, D.J. *et al.*, *J. Med. Chem.*, 1963, **6**, 501-506, (*esters, synth*)

Bergon, M. *et al.*, *J. Agric. Food Chem.*, 1983, **31**, 738-743, (*Me ester, Et ester, Ph ester, synth, props*)

Stan, H.J. *et al.*, *J. Chromatogr., A*, 1996, **750**, 369-390, (*Me ester, detn, glc*)

Pesticide Manual, 11th edn., 1997, 1356, (*Me ester*)