



>>Entry Name: Phenylcarbamic acid, 9CI

Synonym(s): Carbanilic acid, 8CI

CAS Registry Number: 501-82-6

PhNHCOOH

Molecular Formula: C₇H₇NO₂

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

>>Derivative: Me ester

CAS Registry Number: 2603-10-3

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 47°

Rare Chemicals Library: S71729-0

>>Derivative: Et ester

CAS Registry Number: 101-99-5

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Physical Description: Needles (H₂O)

Melting Point: Mp 53°

Hazard & Toxicity: LD₅₀ (mus, ipr) 350 mg/kg. Exp. neoplastigenic data

Rare Chemicals Library: S58633-1

Sigma: C3536

>>Derivative: Isopropyl ester

Synonym(s): Propham, BSI, ISO, WSSA. Isopropyl phenylcarbamate. Isopropyl carbanilate. IPC. Birgin

CAS Registry Number: 122-42-9

Molecular Formula: C₁₀H₁₃NO₂

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Use/Importance: Herbicide. Mitosis inhibitor

Physical Description: Cryst.

Melting Point: Mp 87.5°

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

Rare Chemicals Library: S58033-3

Sigma: I5377

>>Derivative: Butyl ester

CAS Registry Number: 1538-74-5

Molecular Formula: C₁₁H₁₅NO₂

Molecular Weight: 193.245

Accurate Mass: 193.110279

Percentage Composition: C 68.37%; H 7.82%; N 7.25%; O 16.56%

Physical Description: Cryst. (hexane)

Melting Point: Mp 61.5-62° (55-57°)

Rare Chemicals Library: S58636-6