



>>Entry Name: *N,N'*-Diphenylurea, 9CI

ENTRY UNDER REVIEW

Synonym(s): Carbanilide

CAS Registry Number: 102-07-8

Extra CAS Registry Numbers(s): 26763-63-3

Type of Compound Code(s): WI3700

PhNHCONHPh

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Source/Synthesis: Isol. from coconut milk

Physical Description: Prisms

Melting Point: Mp 239-240°

Boiling Point: Bp 260°

Aldrich: 14215-8

Fluka: 43040

Sigma: D5881

>>Derivative: Mono-*N*-Ac

Molecular Formula: C₁₅H₁₄N₂O₂

Molecular Weight: 254.288

Accurate Mass: 254.105528

Percentage Composition: C 70.85%; H 5.55%; N 11.02%; O 12.58%

Melting Point: Mp 106°

>>Derivative: *N*-Me

Synonym(s): *N*-Methyl-*N,N'*-diphenylurea

CAS Registry Number: 612-01-1

Molecular Formula: C₁₄H₁₄N₂O

Molecular Weight: 226.277

Accurate Mass: 226.110613

Percentage Composition: C 74.31%; H 6.24%; N 12.38%; O 7.07%

Physical Description: Cryst. (EtOH or xylene)

Melting Point: Mp 106°

Boiling Point: Bp 203-205° dec.

Rare Chemicals Library: S63466-2

>>Derivative: *N,N'*-Di-Me

Synonym(s): *N,N'*-Dimethyl-*N,N'*-diphenylurea. Centralite II

CAS Registry Number: 611-92-7

Molecular Formula: C₁₅H₁₆N₂O

Molecular Weight: 240.304

Accurate Mass: 240.126263

Percentage Composition: C 74.97%; H 6.71%; N 11.66%; O 6.66%

Use/Importance: Explosion regulator

Melting Point: Mp 122°

Aldrich: 37289-7

Rare Chemicals Library: S34694-2

>>Derivative: *N*-Et

Synonym(s): *N*-Ethyl-*N,N'*-diphenylurea

Molecular Formula: C₁₅H₁₆N₂O

Molecular Weight: 240.304

Accurate Mass: 240.126263

Percentage Composition: C 74.97%; H 6.71%; N 11.66%; O 6.66%

Physical Description: Prisms (EtOH)

Melting Point: Mp 91°