



>>Entry Name: *N*-Phenylbenzamidine

Synonym(s): *N*-Phenylbenzenecarboximidamide, 9CI

CAS Registry Number: 1527-91-9

PhN=CPhNH₂

Molecular Formula: C₁₃H₁₂N₂

Molecular Weight: 196.251

Accurate Mass: 196.100048

Percentage Composition: C 79.56%; H 6.16%; N 14.27%

Use/Importance: Dehydrobromination reagent

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 114-115°

Rare Chemicals Library: S17783-0

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH or dil. HCl)

Melting Point: Mp 227-229° (dec.)

>>Derivative: Picrate

Melting Point: Mp 148.5°

References:

Org. Synth., Coll. Vol., 4, 1963, 769-771, (*synth*)

Dornow, A. *et al.*, *Chem. Ber.*, 1966, **99**, 68-71, (*synth*)

Dondoni, A. *et al.*, *Chem. Comm.*, 1975, 761-762, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1975, **5**, 513, (*use*)