



>>Entry Name: Phenylacetamidine

Synonym(s): Benzenethanimidamide, 9Cl. α -Tolamidine

CAS Registry Number: 5504-24-5

PhCH2C(NH2)=NH

Molecular Formula: $C_8H_{10}N_2$

Molecular Weight: 134.18

Accurate Mass: 134.084398

Percentage Composition: C 71.61%; H 7.51%; N 20.88%

pKa Value: pK_a 11.57 (25°)

>>Derivative: Benzenesulfonyl

Melting Point: Mp 186-186.5°

>>Derivative: Picrate

Physical Description: Needles (H_2O)

Melting Point: Mp 277-278°

References:

Oxley, P. *et al.*, *J.C.S.*, 1946, 147

U.S. Pat., 1948, 2 433 489; *CA*, **42**, 3780e

Wagner, G. *et al.*, *Pharmazie*, 1975, **30**, 447, (*ir*, *uv*)