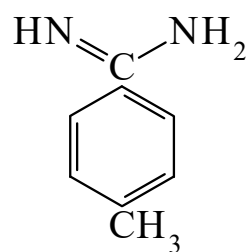




>>Entry Name: 4-Methylbenzamidine

Synonym(s): 4-Methylbenzenecarboximidamide, 9Cl. *p*-Toluamidine, 8Cl. *p*-Guanyltoluene



CAS Registry Number: 18465-11-7

Molecular Formula: C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>

Molecular Weight: 134.18

Accurate Mass: 134.084398

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

Physical Description: Plates (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 101-102°

>>Derivative: Hydrochloride

CAS Registry Number: 6326-27-8

Physical Description: Prisms + ½ H<sub>2</sub>O (H<sub>2</sub>O)

Melting Point: Mp 213°

Hazard & Toxicity: LD<sub>50</sub> (mus, ipr) 235 mg/kg

>>Derivative: *N*-Ph

CAS Registry Number: 7118-55-0

Molecular Formula: C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>

Molecular Weight: 210.278

Accurate Mass: 210.115698

Percentage Composition: C 79.97%; H 6.71%; N 13.32%

Physical Description: Cryst. (hexane)

Melting Point: Mp 152-154°

#### References:

Reynaud, P. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1961, **253**, 2540, (*synth*)

Wagner, G. *et al.*, *Pharmazie*, 1975, **30**, 444, (*ir, uv*)