



>>Entry Name: 3,3'-Diaminobenzophenone, 8Cl

Synonym(s): Bis(3-aminophenyl)methanone, 9Cl

CAS Registry Number: 611-79-0

Molecular Formula: C<sub>13</sub>H<sub>12</sub>N<sub>2</sub>O

Molecular Weight: 212.251

Accurate Mass: 212.094963

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

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 173-174° (150.5°)

Boiling Point: Bp<sub>11</sub> 285°

>>Derivative: 3,3'-N-Di-Ac

Molecular Formula: C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 296.325

Accurate Mass: 296.116093

Percentage Composition: C 68.91%; H 5.44%; N 9.45%; O 16.20%

Melting Point: Mp 226-227°

>>Derivative: N,N'-Tetra-Me

Molecular Formula: C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O

Molecular Weight: 268.358

Accurate Mass: 268.157563

Percentage Composition: C 76.09%; H 7.51%; N 10.44%; O 5.96%

Physical Description: Yellow prisms (EtOH aq.)

Melting Point: Mp 59-60°

#### References:

Baeyer, A., *Annalen*, 1907, **354**, 193, (*synth*)

Klemm, L.H. *et al.*, *J.O.C.*, 1958, **23**, 349, (*synth*)

Young, P.R. *et al.*, *J. Chromatogr.*, 1976, **119**, 569, (*hplc*)