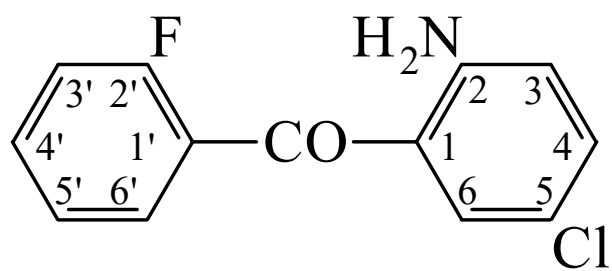




>>Entry Name: 2-Amino-5-chloro-2'-fluorobenzophenone, 8Cl

Synonym(s): (2-Amino-5-chlorophenyl)(2-fluorophenyl)methanone, 9Cl



CAS Registry Number: 784-38-3

Molecular Formula: C<sub>13</sub>H<sub>9</sub>ClFNO

Molecular Weight: 249.671

Accurate Mass: 249.035669

Percentage Composition: C 62.54%; H 3.63%; Cl 14.20%; F 7.61%; N 5.61%; O 6.41%

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 94-95°

Aldrich: 39721-0

Other: Oakwood 3839

>>Derivative: 4-Methylbenzenesulfonyl

Physical Description: Yellow prisms (MeOH)

Melting Point: Mp 119-120°

>>Derivative: N-Me

Molecular Formula: C<sub>14</sub>H<sub>11</sub>ClFNO

Molecular Weight: 263.698

Accurate Mass: 263.051319

Percentage Composition: C 63.77%; H 4.20%; Cl 13.44%; F 7.20%; N 5.31%; O 6.07%

Physical Description: Yellow prisms (MeOH)

Melting Point: Mp 118-119°

>>Derivative: N-Me; 4-methylbenzenesulfonyl

Physical Description: Needles (Et<sub>2</sub>O)

Melting Point: Mp 149-150°

#### References:

Sternbach, L.H. *et al.*, *J.O.C.*, 1962, **27**, 3781