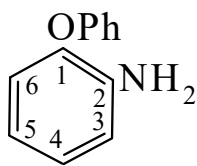




>>Entry Name: 2-Aminodiphenyl ether

Synonym(s): 2-Phenoxybenzenamine, 9Cl. *o*-Phenoxyaniline, 8Cl



CAS Registry Number: 2688-84-8

Molecular Formula: C<sub>12</sub>H<sub>11</sub>NO

Molecular Weight: 185.225

Accurate Mass: 185.084064

Percentage Composition: C 77.81%; H 5.99%; N 7.56%; O 8.64%

Physical Description: Cryst. (petrol)

Melting Point: Mp 45.5-46°

Boiling Point: Bp<sub>14</sub> 172-173°

Aldrich: 34668-3

>>Derivative: Hydrochloride

Physical Description: Needles

Melting Point: Mp 154°

>>Derivative: *N*-Benzenesulfonyl

Melting Point: Mp 150-151°

>>Derivative: *N*-Me

Molecular Formula: C<sub>13</sub>H<sub>13</sub>NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

Melting Point: Mp 48°

Boiling Point: Bp<sub>13</sub> 170°

#### References:

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Suter, C.M., *J.A.C.S.*, 1929, **51**, 2581, (*synth*)

Sanesi, M., *Gazz. Chim. Ital.*, 1956, **86**, 1246, (*synth*)

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