



**Aldrich:** 12898-8

>>Derivative: *N*-Ph

**Synonym(s):** 4-(Phenylazo)diphenylamine. *p*-Anilinoazobenzene

**CAS Registry Number:** 101-75-7

**Molecular Formula:** C<sub>18</sub>H<sub>15</sub>N<sub>3</sub>

**Molecular Weight:** 273.337

**Accurate Mass:** 273.126597

**Percentage Composition:** C 79.10%; H 5.53%; N 15.37%

**Melting Point:** Mp 89-91°

**Other Data:** λ<sub>max</sub> 411 nm

**Aldrich:** 22916-4

**Fluka:** 78164

**Rare Chemicals Library:** S64849-3

>>Derivative: *N*<sup>α</sup>-Oxide

**Synonym(s):** 4-(Phenyl-*N,N,O*-azoxy)benzenamine, 9CI

**CAS Registry Number:** 95633-08-2

**Molecular Formula:** C<sub>12</sub>H<sub>11</sub>N<sub>3</sub>O

**Molecular Weight:** 213.238

**Accurate Mass:** 213.090212

**Percentage Composition:** C 67.59%; H 5.20%; N 19.71%; O 7.50%

**Physical Description:** Orange prismatic leaflets

**Melting Point:** Mp 142° (138°)

**Other Data:** Oxidised on the azo *N*-atom proximal to the *p*-aminophenyl residue

>>Derivative: *N*<sup>β</sup>-Oxide

**Synonym(s):** 4-(Phenyl-*O,N,N*-azoxy)benzenamine, 9CI

**CAS Registry Number:** 95633-07-1

**Molecular Formula:** C<sub>12</sub>H<sub>11</sub>N<sub>3</sub>O

**Molecular Weight:** 213.238

**Accurate Mass:** 213.090212

**Percentage Composition:** C 67.59%; H 5.20%; N 19.71%; O 7.50%

**Physical Description:** Pale-yellow cryst.

**Melting Point:** Mp 136°

**Other Data:** Oxidised on the azo *N*-atom distal to the *p*-aminophenyl residue

## References: