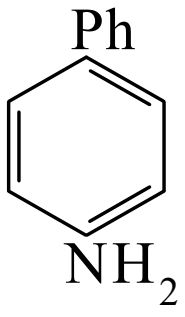
>>**Entry Name: 4-Aminobiphenyl**
Synonym(s): [1,1'-Biphenyl]-4-amine, 9CI. Xenylamine



CAS Registry Number: 92-67-1

Molecular Formula: $C_{12}H_{11}N$
Molecular Weight: 169.226
Accurate Mass: 169.089149
Percentage Composition: C 85.17%; H 6.55%; N 8.28%
Use/Importance: Formerly an important dyestuffs intermed. Used for pptn. of $SO_4^{2(-)}$
Physical Description: Leaflets (EtOH aq.)
Melting Point: Mp 52.9-53.6°
Boiling Point: Bp 302°. Bp_{15} 191°. Bp_5 166°
Other Data: Steam-volatile
Hazard & Toxicity: Human carcinogen. Use prohibited in the UK under the Control of Substances Hazardous to Health Regulations 1988. Occup. exposure associated with bladder cancer. Most potent of the carcinogenic aromatic amines. Exp. carcinogen

Aldrich: A4242-5
Sigma: A3029
Supelco: R43-5304

>>**Derivative:** Hydrochloride

Physical Description: Cryst. (H_2O)
Melting Point: Mp 285°

>>**Derivative:** *N*-Formyl

CAS Registry Number: 5472-79-7
Molecular Formula: $C_{13}H_{11}NO$
Molecular Weight: 197.236
Accurate Mass: 197.084064
Percentage Composition: C 79.17%; H 5.62%; N 7.10%; O 8.11%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 172°

>>**Derivative:** *N*-Ac

CAS Registry Number: 4075-79-0
Molecular Formula: $C_{14}H_{13}NO$
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 171°
Hazard & Toxicity: Exp. carcinogen

>>**Derivative:** *N*,*N*-Di-Ac
Synonym(s): *N*-(2-[1,1'-Biphenyl]-4-yl-2-oxoethyl)acetamide, 9CI

CAS Registry Number: 71350-69-1
Molecular Formula: $C_{16}H_{15}NO_2$
Molecular Weight: 253.3
Accurate Mass: 253.110279
Percentage Composition: C 75.87%; H 5.97%; N 5.53%; O 12.63%
Physical Description: Needles (petrol)
Melting Point: Mp 120°