



>>Derivative: Monoamide
Synonym(s): Diphenamic acid

CAS Registry Number: 6747-35-9
Molecular Formula: $C_{14}H_{11}NO_3$
Molecular Weight: 241.246
Accurate Mass: 241.073894
Percentage Composition: C 69.70%; H 4.60%; N 5.81%; O 19.90%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 193°

>>Derivative: Diamide

CAS Registry Number: 39950-05-5
Molecular Formula: $C_{14}H_{12}N_2O_2$
Molecular Weight: 240.261
Accurate Mass: 240.089878
Percentage Composition: C 69.99%; H 5.03%; N 11.66%; O 13.32%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 212°

>>Derivative: Mononitrile
Synonym(s): 2'-Cyanobiphenyl-2-carboxylic acid

CAS Registry Number: 57743-13-2
Molecular Formula: $C_{14}H_9NO_2$
Molecular Weight: 223.231
Accurate Mass: 223.063329
Percentage Composition: C 75.33%; H 4.06%; N 6.27%; O 14.33%
Melting Point: Mp 170-172°

>>Derivative: Dinitrile
Synonym(s): 2,2'-Dicyanobiphenyl

CAS Registry Number: 4341-02-0
Molecular Formula: $C_{14}H_8N_2$
Molecular Weight: 204.231
Accurate Mass: 204.068748
Percentage Composition: C 82.34%; H 3.95%; N 13.72%
Physical Description: Needles (petrol)
Melting Point: Mp 171-172°

>>Derivative: Anhydride
Synonym(s): Dibenzo[*c,e*]oxepin-5,7-dione. Diphenic anhydride

CAS Registry Number: 6050-13-1
Molecular Formula: $C_{14}H_8O_3$
Molecular Weight: 224.215
Accurate Mass: 224.047345
Percentage Composition: C 75.00%; H 3.60%; O 21.41%
Physical Description: Needles (C_6H_6)
Melting Point: Mp 222-224° (217°)
Other Data: Sublimes. Moisture-sensitive
Aldrich: 14890-3
Rare Chemicals Library: S14901-2

>>Derivative: Imide
Synonym(s): 5*H*-Dibenzo[*c,e*]azepine-5,7(6*H*)-dione, 9CI. 2,2'-Biphenyldicarboximide. Diphenimide

CAS Registry Number: 3864-08-2
Molecular Formula: $C_{14}H_9NO_2$
Molecular Weight: 223.231
Accurate Mass: 223.063329
Percentage Composition: C 75.33%; H 4.06%; N 6.27%; O 14.33%
Melting Point: Mp 219°

References: