>>**Entry Name: 4,4'-Biphenyldicarboxylic acid**

CAS Registry Number: 787-70-2

Molecular Formula: $C_{14}H_{10}O_4$
Molecular Weight: 242.231
Accurate Mass: 242.05791
Percentage Composition: C 69.42%; H 4.16%; O 26.42%
Use/Importance: Monomer for polyesters and polyamides
Other Data: Does not melt or sublime.

Aldrich: 22526-6
Fluka: 14428
Rare Chemicals Library: S65885-5

>>**Derivative:** Di-Me ester

CAS Registry Number: 792-74-5
Molecular Formula: $C_{16}H_{14}O_4$
Molecular Weight: 270.284
Accurate Mass: 270.08921
Percentage Composition: C 71.10%; H 5.22%; O 23.68%
Use/Importance: Polycondensation with glycols gives thermotropic polyesters
Physical Description: Plates (MeOH)
Melting Point: Mp 214° (224°)
Aldrich: 43790-5
Fluka: 14430
Rare Chemicals Library: S27701-0

>>**Derivative:** Di-Et ester

CAS Registry Number: 47230-38-6
Molecular Formula: $C_{18}H_{18}O_4$
Molecular Weight: 298.338
Accurate Mass: 298.12051
Percentage Composition: C 72.47%; H 6.08%; O 21.45%
Use/Importance: Polycondensation with glycols gives thermotropic polyesters
Melting Point: Mp 112°
Rare Chemicals Library: S45733-7

>>**Derivative:** Diheptyl ester

CAS Registry Number: 80911-46-2

Molecular Formula: $C_{28}H_{38}O_4$
Molecular Weight: 438.606
Accurate Mass: 438.27701
Percentage Composition: C 76.68%; H 8.73%; O 14.59%
Biological Source: Constit. of *Salvia multicaulis*

>>**Derivative:** Dichloride

CAS Registry Number: 2351-37-3
Molecular Formula: $C_{14}H_8Cl_2O_2$
Molecular Weight: 279.121
Accurate Mass: 277.990134
Percentage Composition: C 60.24%; H 2.89%; Cl 25.40%; O 11.46%
Use/Importance: Monomer for polyesters and polyamides
Melting Point: Mp 184°
Rare Chemicals Library: S28791-1