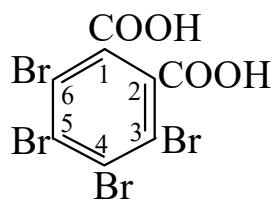




>>Entry Name: Tetrabromo-1,2-benzenedicarboxylic acid, 9CI

Synonym(s): Tetrabromophthalic acid, 8CI



CAS Registry Number: 13810-83-8

Molecular Formula: $C_8H_2Br_4O_4$

Molecular Weight: 481.717

Accurate Mass: 477.748654

Percentage Composition: C 19.95%; H 0.42%; Br 66.35%; O 13.29%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 266° (dehydrates)

Rare Chemicals Library: S1785-0

>>Derivative: Mono-Me ester

CAS Registry Number: 67792-12-5

Molecular Formula: $C_9H_4Br_4O_4$

Molecular Weight: 495.744

Accurate Mass: 491.764304

Percentage Composition: C 21.81%; H 0.81%; Br 64.47%; O 12.91%

Physical Description: Cryst. (MeOH aq.)

>>Derivative: Di-2-propenyl ester

Synonym(s): Diallyl tetrabromophthalate

CAS Registry Number: 49693-09-6

Molecular Formula: $C_{14}H_{10}Br_4O_4$

Molecular Weight: 561.847

Accurate Mass: 557.811254

Percentage Composition: C 29.93%; H 1.79%; Br 56.89%; O 11.39%

Use/Importance: Fireproofing agent for polymers

Physical Description: Cryst.

Melting Point: Mp $111-112^\circ$

>>Derivative: Bis(2-ethylhexyl) ester

CAS Registry Number: 26040-51-7

Molecular Formula: $C_{24}H_{34}Br_4O_4$

Molecular Weight: 706.146

Accurate Mass: 701.999054

Percentage Composition: C 40.82%; H 4.85%; Br 45.26%; O 9.06%

Use/Importance: Fireproofing agent for polymers

Physical Description: Viscous oil

Density: d_{20}^{20} 1.553

Refractive Index: n_D^{20} 1.5456

>>Derivative: Anhydride

Synonym(s): 4,5,6,7-Tetrabromo-1,3-isobenzofurandione, 9CI. Bromphthal

CAS Registry Number: 632-79-1

Molecular Formula: $C_8Br_4O_3$

Molecular Weight: 463.702

Accurate Mass: 459.738089

Percentage Composition: C 20.72%; Br 68.93%; O 10.35%

Use/Importance: Monomer used in fire-retardant polyester and epoxy resins

Physical Description: Cryst. (AcOH/xylene)

Melting Point: Mp $279.5-280.5^\circ$

Aldrich: T520-6