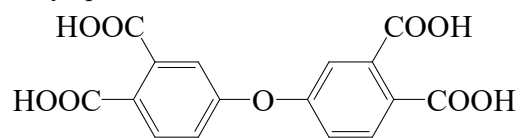




>>Entry Name: Diphenyl ether 3,3',4,4'-tetracarboxylic acid

Synonym(s): 5,5'-Oxybis(1,2-benzenedicarboxylic acid). 4,4'-Oxydiphthalic acid, 8CI



CAS Registry Number: 7717-76-2

Related CAS Registry Numbers(s): 76501-53-6

Molecular Formula: C<sub>16</sub>H<sub>10</sub>O<sub>9</sub>

Molecular Weight: 346.25

Accurate Mass: 346.032485

Percentage Composition: C 55.50%; H 2.91%; O 41.59%

Physical Description: Cryst. (Me<sub>2</sub>CO/petrol)

Melting Point: Mp 229-231.5 dec.°

>>Derivative: Dianhydride

Synonym(s): 5,5'-Oxybis-1,3-isobenzofurandione, 9CI

CAS Registry Number: 1823-59-2

Molecular Formula: C<sub>16</sub>H<sub>6</sub>O<sub>7</sub>

Molecular Weight: 310.219

Accurate Mass: 310.011355

Percentage Composition: C 61.95%; H 1.95%; O 36.10%

Physical Description: No phys. props. reported

References:

Marvel, C.S. *et al.*, *J.A.C.S.*, 1958, **80**, 1197, (*synth*)

Lavrova, Z.N. *et al.*, *Volokna Sint. Polim.* 1970, 1970, 15; *CA*, **76**, 33912w, (*anhydride*)