



>>Entry Name: 1,1'-(1,4-Phenylene)bis-1*H*-pyrrole-2,5-dione, 9Cl
Synonym(s): *N,N*'-1,4-Phenylenedimaleimide, 8Cl. 1,4-Di-*N*-maleimidobenzene

CAS Registry Number: 3278-31-7

Molecular Formula: C₁₄H₈N₂O₄

Molecular Weight: 268.228

Accurate Mass: 268.048408

Percentage Composition: C 62.69%; H 3.01%; N 10.44%; O 23.86%

Use/Importance: Protein cross-linking agent

Physical Description: Light yellow cryst (EtOH)

Melting Point: Mp 347° (dec.) (polym.)

Aldrich: P2398-9

Sigma: P3396

References:

Reisler, E., *Biochemistry*, 1974, **13**, 3837, (*use*)

Crivello, J.V. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1976, **14**, 159, (*synth*)

Ghatge, N.D. *et al.*, *Polymer*, 1981, **22**, 1250, (*synth*)

Nanjan, M.J. *et al.*, *J. Polym. Sci., Part A*, 1989, **27**, 375, (*synth*)