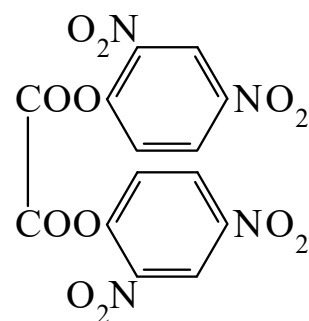




>>Entry Name: Bis(2,4-dinitrophenyl) oxalate

Synonym(s): Bis(2,4-dinitrophenyl) ethanedioate, 9CI



CAS Registry Number: 16536-30-4

Molecular Formula: C₁₄H₆N₄O₁₂

Molecular Weight: 422.221

Accurate Mass: 421.998226

Percentage Composition: C 39.83%; H 1.43%; N 13.27%; O 45.47%

Use/Importance: Used for chemiluminescence detn. of H₂O₂ in hplc

Physical Description: Cryst. (PhNO₂ or EtOAc)

Melting Point: Mp 192-194°

Aldrich: 32537-6

Fluka: 75705

Sigma: O3754

References:

Rauhut, M.M. *et al.*, *J.A.C.S.*, 1967, **89**, 6515, (*synth*)

Rauhut, M.M., *Acc. Chem. Res.*, 1969, **2**, 80, (*chemiluminescence*)

Honda, K. *et al.*, *Anal. Chim. Acta*, 1985, **177**, 103; 117, (*use*)

De Jong, G.J. *et al.*, *Analyst (London)*, 1987, **59**, 1458, (*use*)

Neuvonen, H., *J.C.S. Perkin 2*, 1994, 89, (*bibl*)