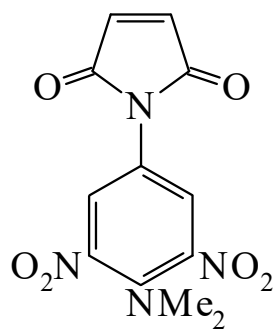




>>Entry Name: *N*-(4-Dimethylamino-3,5-dinitrophenyl)maleimide

Synonym(s): *N*-[4-(Dimethylamino)-3,5-dinitrophenyl]-1*H*-pyrrole-2,3-dione, 9Cl. Tuppy's reagent



CAS Registry Number: 3475-74-9

Molecular Formula: C₁₂H₁₀N₄O₆

Molecular Weight: 306.234

Accurate Mass: 306.060036

Percentage Composition: C 47.07%; H 3.29%; N 18.30%; O 31.35%

Use/Importance: Used to prepare coloured derivs. of cysteinyl residues

Physical Description: Cryst. (pentyl acetate or AcOH)

Melting Point: Mp 177-181°

Aldrich: D14080-5

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1456B, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 403D

Burley, R.W. *et al.*, *Chem. Ind. (London)*, 1959, 1285, (synth, ir)

Wintersberger, E., *Biochemistry*, 1965, **4**, 1533, (use)