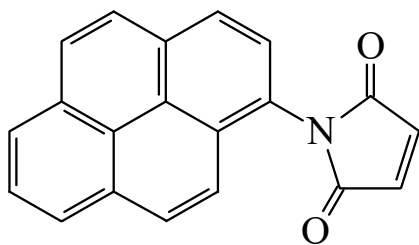




>>Entry Name: 1-(1-Pyrenyl)-1*H*-pyrrole-2,5-dione, 9Cl

Synonym(s): *N*-(1-Pyrenyl)maleimide



CAS Registry Number: 42189-56-0

Molecular Formula: C₂₀H₁₁NO₂

Molecular Weight: 297.312

Accurate Mass: 297.078979

Percentage Composition: C 80.80%; H 3.73%; N 4.71%; O 10.76%

Use/Importance: Fluorescent reagent for thiol groups

Physical Description: Gold needles (EtOH aq.)

Melting Point: Mp 223-225°

Aldrich: 33055-8

Fluka: 82656

Sigma: P7908

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1454A, (*nmr*)

Weltman, J.K. *et al.*, *J. Biol. Chem.*, 1973, **248**, 3173, (*synth, ir, pmr, uv, use*)

Wu, C.-W. *et al.*, *Biochemistry*, 1976, **15**, 2863, (*use*)

Lux, B. *et al.*, *J. Biol. Chem.*, 1981, **256**, 1767, (*use*)