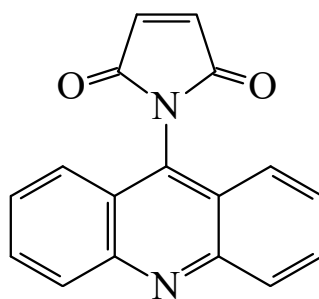




>>Entry Name: 1-(9-Acridinyl)-1*H*-pyrrole-2,5-dione, 9CI

Synonym(s): *N*-(9-Acridinyl)maleimide. NAM



CAS Registry Number: 49759-20-8

Molecular Formula: C₁₇H₁₀N₂O₂

Molecular Weight: 274.278

Accurate Mass: 274.074228

Percentage Composition: C 74.45%; H 3.67%; N 10.21%; O 11.67%

Use/Importance: Fluorescent thiol reagent

Physical Description: Pale yellow prisms (Me₂CO)

Melting Point: Mp 248 dec.°

Fluka: 1665

Sigma: A7033

References:

Takahashi, H. *et al.*, *Agric. Biol. Chem.*, 1978, **42**, 769; 793; 1979, **43**, 1439, (*synth, use, ir, uv, pmr*)

Machida, M. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 596, (*synth, use*)

Hiroshi, O. *et al.*, *Agric. Biol. Chem.*, 1985, **49**, 885, (*synth*)

Akasaka, K. *et al.*, *Agric. Biol. Chem.*, 1986, **50**, 1139, (*use*)

Dasgupta, P.K. *et al.*, *Anal. Chem.*, 1986, **58**, 2839, (*use*)

Hatakeyoma, E. *et al.*, *Anal. Sci.*, 1989, **5**, 657, (*use*)