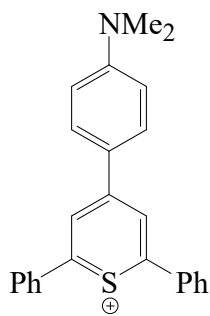




>>Entry Name: 4-[4-(Dimethylamino)phenyl]-2,6-diphenylthiopyrylium(1+), 9Cl



CAS Registry Number: 47551-78-0

Molecular Formula: $C_{25}H_{22}NS^{+}$

Molecular Weight: 368.522

Accurate Mass: 368.147294

Percentage Composition: C 81.48%; H 6.02%; N 3.80%; S 8.70%

>>Derivative: Perchlorate

CAS Registry Number: 14039-00-0

Molecular Formula: $C_{25}H_{22}ClNO_4S$

Molecular Weight: 467.972

Accurate Mass: 467.095806

Percentage Composition: C 64.17%; H 4.74%; Cl 7.58%; N 2.99%; O 13.68%; S 6.85%

Use/Importance: Spectral sensitiser for electrophotography

Physical Description: Bronze-green cryst. (Ac_2O)

Melting Point: Mp 264-266° (dec.)

References:

Wizinger, R. *et al.*, *Helv. Chim. Acta*, 1956, **39**, 207-216; 1966, **49**, 2045-2055, (*perchlorate*)

Reynolds, G.A. *et al.*, *J. Het. Chem.*, 1976, **13**, 1089-1090, (*perchlorate, uv*)

Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **8**, 849-850, (*perchlorate, use*)