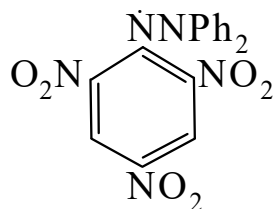




>>Entry Name: 2,2-Diphenyl-1-(2,4,6-trinitrophenyl)hydrazyl, 9Cl

Synonym(s): 2,2-Diphenylpicrylhydrazyl, 8Cl. DPPH



CAS Registry Number: 1898-66-4

Type of Compound Code(s): PS8300 PG5900 PG5250

Molecular Formula: C₁₈H₁₂N₅O₆

Molecular Weight: 394.323

Accurate Mass: 394.07876

Percentage Composition: C 54.83%; H 3.07%; N 17.76%; O 24.34%

General Statement: Stable free radical

Use/Importance: Dehydrogenating agent, chain-terminating agent for polymerisations. Reagent for the spectrophotometric anal. of amines and thiols

Physical Description: Violet cryst.

Melting Point: Mp 137-138°

Fluka: 43180

Sigma: D9132

References:

Goldschmidt, S. *et al.*, *Ber.*, 1922, **55**, 628, (*synth*)

Lyons, J.A. *et al.*, *J. Polym. Sci.*, 1955, **18**, 141, (*purifn*)

Papariello, G.J. *et al.*, *Anal. Chem.*, 1965, **37**, 899, (*use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1967, **1**, 347, (*use*)

Garnett, J.L. *et al.*, *J. Catal.*, 1967, **7**, 305, (*synth*)

Williams, D.E., *J.A.C.S.*, 1967, **89**, 4280, (*cryst struct*)

O'Connor, S.E. *et al.*, *J.O.C.*, 1977, **42**, 577, (*synth, purifn*)

Hunsaker, D.B. *et al.*, *Talanta*, 1983, **30**, 475, (*use*)