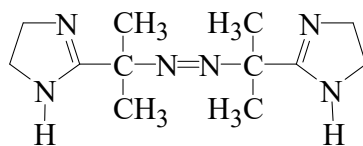




>>Entry Name: 2,2'-[Azobis(1-methylethylidene)]bis[4,5-dihydro-1H-imidazole], 9Cl

Synonym(s): Azobis[2-isopropyl-2-imidazoline], 8Cl. Azobis-*N,N'*-dimethyleneisobutyramidine. VA 044



CAS Registry Number: 20858-12-2

Related CAS Registry Numbers(s): 127478-62-0

Molecular Formula: C₁₂H₂₂N₆

Molecular Weight: 250.346

Accurate Mass: 250.190594

Percentage Composition: C 57.57%; H 8.86%; N 33.57%

Use/Importance: Salts are azo polymerisation initiators

Physical Description: Cryst. (MeOH)

Melting Point: Mp 122.5°

Other Data: Props. presumably refer to (*E*)-form

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 27776-21-2

Physical Description: Cryst.

Aldrich: 44092-2

Other: Wako

>>Derivative: Nitrate (1:2)

Physical Description: Cryst. (H₂O)

Melting Point: Mp 146.5°

References:

Neuman, R.C. *et al.*, *J.A.C.S.*, 1962, **84**, 1506-1507, (*pmr*)

Hammond, G.S. *et al.*, *J.A.C.S.*, 1963, **85**, 1501-1508, (*synth, pmr, ir, salts*)

Noudi, U.S., *CA*, 1972, **77**, 34964x, (*rev*)