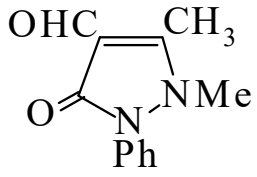
>>**Entry Name: 2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazole-4-carboxaldehyde,** 9Cl

Synonym(s): Antipyraldehyde, 8Cl. 4-Formyl-2,3-dimethyl-1-phenyl-5-pyrazolone. 4-Formylantipyrene. Antipyrine-4-carboxaldehyde. 2,3-Dimethyl-5-oxo-1-phenyl-3-pyrazolone-4-carboxaldehyde



CAS Registry Number: 950-81-2

Molecular Formula: $C_{12}H_{12}N_2O_2$
Molecular Weight: 216.239
Accurate Mass: 216.089878
Percentage Composition: C 66.65%; H 5.59%; N 12.95%; O 14.80%
Physical Description: Yellow needles (H_2O)
Solubility: Sol. $CHCl_3$, EtOH, H_2O; sl. sol. Et_2O, C_6H_6

Aldrich: 12325-0
Rare Chemicals Library: S41382-8
Sigma: A2165

>>**Derivative:** Oxime

Molecular Formula: $C_{12}H_{13}N_3O_2$
Molecular Weight: 231.254
Accurate Mass: 231.100777
Percentage Composition: C 62.33%; H 5.67%; N 18.17%; O 13.84%
Physical Description: Needles (EtOH)
Melting Point: Mp 216-218°

>>**Derivative:** Phenylhydrazone

Physical Description: Yellow needles (EtOH)
Melting Point: Mp 236-238°

>>**Derivative:** Semicarbazone

Physical Description: Needles (EtOH)
Melting Point: Mp 223-224°

References:

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Passerini, M. *et al.*, *Gazz. Chim. Ital.*, 1940, **70**, 710, *(synth)*
Ridi, M.*, Gazz. Chim. Ital.*, 1941, **71**, 95, *(synth)*
Bodendorf, K. *et al.*, *Annalen*, 1949, **563**, 1, *(synth)*
Ledrut, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1950, 232, *(derivs)*
Wrzeciono, U. *et al.*, *Pharmazie*, 1976, **31**, 149, *(synth)*