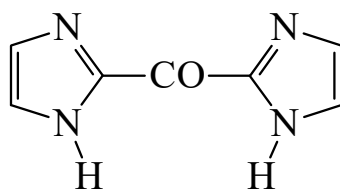




>>Entry Name: Di-1*H*-imidazol-2-ylmethanone, 9CI

Synonym(s): Bis(2-imidazolyl)ketone



CAS Registry Number: 64269-79-0

Molecular Formula: C₇H₆N₄O

Molecular Weight: 162.151

Accurate Mass: 162.054161

Percentage Composition: C 51.85%; H 3.73%; N 34.55%; O 9.87%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 285 dec.°

Other Data: An earlier ref. to this compd. is erroneous

>>Derivative: Hydrazone

Melting Point: Mp 86-88°

>>Derivative: 1,1'-Di-Me

CAS Registry Number: 62366-40-9

Molecular Formula: C₉H₁₀N₄O

Molecular Weight: 190.204

Accurate Mass: 190.085461

Percentage Composition: C 56.83%; H 5.30%; N 29.46%; O 8.41%

Physical Description: Powder (Me₂CO)

Melting Point: Mp 151°

References:

Joseph, M. *et al.*, *Synthesis*, 1977, 459, (*synth*)

Regel, E. *et al.*, *Annalen*, 1977, 145, (*deriv, synth*)

Gorun, S.M. *et al.*, *J.A.C.S.*, 1987, **109**, 4244, (*deriv, synth*)