



>>Entry Name: 5-Nitro-1*H*-pyrazole-3-carboxylic acid, 9CI

Synonym(s): 5(3)-Nitro-3(5)-pyrazolecarboxylic acid

CAS Registry Number: 198348-89-9

Molecular Formula: C₄H₃N₃O₄

Molecular Weight: 157.085

Accurate Mass: 157.012357

Percentage Composition: C 30.58%; H 1.92%; N 26.75%; O 40.74%

Melting Point: Mp 188-190°

>>Variant: 2*H*-form

Molecular Formula: C₄H₃N₃O₄

Molecular Weight: 157.085

Accurate Mass: 157.012357

Percentage Composition: C 30.58%; H 1.92%; N 26.75%; O 40.74%

>>Derivative: 2-Me

Synonym(s): 1-Methyl-3-nitro-1*H*-pyrazole-5-carboxylic acid, 9CI

CAS Registry Number: 177409-39-1

Molecular Formula: C₅H₅N₃O₄

Molecular Weight: 171.112

Accurate Mass: 171.028007

Percentage Composition: C 35.10%; H 2.95%; N 24.56%; O 37.40%

Physical Description: Yellow powder

Melting Point: Mp 170-172°

References:

Baraldi, P.G. *et al.*, *Bioorg. Chem.*, 1999, **7**, 251-262, (2-Me, synth, pmr)