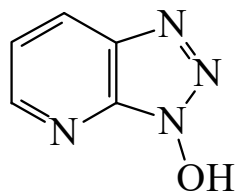




>>Entry Name: 3-Hydroxy-3*H*-1,2,3-triazolo[4,5-*b*]pyridine, 9Cl

Synonym(s): 1-Hydroxy-7-azabenzotriazole. HOAt



CAS Registry Number: 39968-33-7

Molecular Formula: C₅H₄N₄O

Molecular Weight: 136.113

Accurate Mass: 136.038511

Percentage Composition: C 44.12%; H 2.96%; N 41.16%; O 11.75%

Use/Importance: Peptide coupling agent

Physical Description: Cryst. (H₂O)

Melting Point: Mp 216-217°

Aldrich: 44545-2

>>Derivative: Me ether

Synonym(s): 1-Methoxy-3*H*-1,2,3-triazolo[4,5-*b*]pyridine

CAS Registry Number: 61822-85-3

Molecular Formula: C₆H₆N₄O

Molecular Weight: 150.14

Accurate Mass: 150.054161

Percentage Composition: C 48.00%; H 4.03%; N 37.32%; O 10.66%

Melting Point: Mp 92-93°

References:

Mokrushina, G.A. *et al.*, *Khim. Geterotsikl. Soedin.*, 1975, 1004; 1976, 1418; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1975, 880; 1976, 1418, (*synth, Me ether, uv, ms*)

Carpino, L.A., *J.A.C.S.*, 1993, **115**, 4397, (*use*)

Pat. Coop. Treaty (WIPO), 1994, 94 07 910; *CA*, **122**, 10686e, (*synth, pmr*)

Hoeg-Jensen, T. *et al.*, *Synthesis*, 1996, 383, (*pmr, cmr*)