



>>Derivative: *N'*-Et

CAS Registry Number: 4314-66-3

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 57°

Rare Chemicals Library: S43542-2

>>Derivative: *N'*-Benzyl

CAS Registry Number: 2503-55-1

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Melting Point: Mp 72-73°

>>Derivative: *N'*-(Hydroxymethyl)

CAS Registry Number: 3569-99-1

Molecular Formula: C₇H₈N₂O₂

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Melting Point: Mp 152-154°

Sigma: H6138

>>Derivative: *N'*-Hydroxy

Synonym(s): *N*-Hydroxy-3-pyridinecarboxamide, 9CI. Nicotinohydroxamic acid. **Nicoxamat**, INN. Heparit

CAS Registry Number: 5657-61-4

Molecular Formula: C₆H₆N₂O₂

Molecular Weight: 138.126

Accurate Mass: 138.042928

Percentage Composition: C 52.17%; H 4.38%; N 20.28%; O 23.17%

Use/Importance: Used as aq. soln. for extraction-photometric detn. of Mn, V ($\lambda_{\max}$ 450 nm, ϵ 4000, *n*-hexanol); gives colour reactions with Fe, V, Mo

Biological Use/Importance: Antifungal agent, used in treatment of liver disorders

Physical Description: Prisms (EtOH)

Development Status: Never marketed

Melting Point: Mp 168°

Solubility: Sol. H₂O

pKa Value: p*K*_a 8.3

Calculated Log P Data: Log P -0.5 (calc)

Rare Chemicals Library: S77095-7

Sigma: N9627

>>Derivative: *N'*-Hydroxy, oxime

Synonym(s): Nicotinamidoxime. *N*-Hydroxy-3-pyridinecarboximidamide, 9CI

CAS Registry Number: 1594-58-7

Molecular Formula: C₆H₇N₃O₂

Molecular Weight: 153.14

Accurate Mass: 153.053827

Percentage Composition: C 47.06%; H 4.61%; N 27.44%; O 20.90%

Use/Importance: Used for photometric detn. of Co, Ni

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 128°

>>Derivative: *N',N'*-Di-Et