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

CAS Registry Number: 4314-66-3
Molecular Formula: $C_8H_{10}N_2O$
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. (Et_2O)
Melting Point: Mp 57°

Rare Chemicals Library: S43542-2

>>**Derivative:** *N*'-Benzyl

CAS Registry Number: 2503-55-1
Molecular Formula: $C_{13}H_{12}N_2O$
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: $C_7H_8N_2O_2$
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: $C_6H_6N_2O_2$
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 (λ_{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. H_2O
pKa Value: pK_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: $C_6H_7N_3O_2$
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