



Percentage Composition: C 72.54%; H 6.09%; N 6.51%; O 14.87%

Physical Description: Prisms (EtOH)

Melting Point: Mp 162-163°

>>**Variant:** *NH*-form

Molecular Formula: C₆H₇NO₂

Molecular Weight: 125.127

Accurate Mass: 125.047679

Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%

>>**Derivative:** *N*-Me

Synonym(s): Deferiprone, BAN, INN. 3-Hydroxy-1,2-dimethyl-4(1*H*)-pyridinone, 9Cl. Kelfer. CP 20

CAS Registry Number: 30652-11-0

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Use/Importance: Chelating agent. Used in the treatment of thalassaemia. Metal poisoning antidote

Physical Description: Cryst. (MeOH/Et₂O)

Development Status: Launched 1995 (India)

Melting Point: Mp 260 dec.°

Calculated Log P Data: Log P -0.67 (calc)

Aldrich: 37940-9

>>**Derivative:** *N*-Me, hydrochloride

CAS Registry Number: 150630-21-0

Physical Description: Powder (EtOH/Et₂O)

Melting Point: Mp 189-190°

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

CAS Registry Number: 30652-22-3

Molecular Formula: C₁₃H₁₃NO₂

Molecular Weight: 215.251

Accurate Mass: 215.094629

Percentage Composition: C 72.54%; H 6.09%; N 6.51%; O 14.87%

Physical Description: Solid (Et₂O/EtOAc)

Melting Point: Mp 203-205°

>>**Derivative:** *N*-Ph

Synonym(s): 3-Hydroxy-2-methyl-1-phenyl-4(1*H*)-pyridinone, 9Cl

CAS Registry Number: 49744-73-2

Use/Importance: Used as soln. in 1,2-dichloroethane or dioxan for extraction sepn. of In, as 0.01*M* soln. in CHCl₃ for extraction-photometric detn. of V(*V*) ($\lambda_{\max}$ 625 nm, ϵ 5600 in CHCl₃); as 7*mM* soln. in CHCl₃ for extraction-sepn. of Ga, U and extraction-photometric detn. of Fe(*III*) ($\lambda_{\max}$ 470 nm, ϵ 6300 in CHCl₃) and W ($\lambda_{\max}$ 406 nm, ϵ 10600 in CHCl₃)

Physical Description: Cryst.

pKa Value: p*K*_{a2} 9.56

>>**Variant:** Di-*OH*-form

Molecular Formula: C₆H₇NO₂

Molecular Weight: 125.127

Accurate Mass: 125.047679

Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%

>>**Derivative:** 4-Me ether, *N*-Me

CAS Registry Number: 181647-53-0

Molecular Formula: C₈H₁₂NO₂⁽⁺⁾