



Molecular Formula: C₈H₉NO₃
Molecular Weight: 167.164
Accurate Mass: 167.058244
Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%
Biological Source: Alkaloid from the leaves of *Ampelocera ruizii* (Ulmaceae)
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 132°
Rare Chemicals Library: S95468-3

>>Derivative: *N*-Me, amide

CAS Registry Number: 701-44-0
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%
Physical Description: Cryst.
Melting Point: Mp 214-215°

>>Derivative: *N*-Me, nitrile

Synonym(s): 5-Cyano-1-methyl-2(1*H*)-pyridinone. **Nudiflorine**

CAS Registry Number: 768-45-6

Molecular Formula: C₇H₆N₂O
Molecular Weight: 134.137
Accurate Mass: 134.048013
Percentage Composition: C 62.68%; H 4.51%; N 20.88%; O 11.93%
Biological Source: Alkaloid from the leaves of *Trewia nudiflora* (Euphorbiaceae)
Physical Description: Needles (CHCl₃/petrol)
Melting Point: Mp 161°

>>Variant: *OH*-form

Molecular Formula: C₆H₅NO₃
Molecular Weight: 139.11
Accurate Mass: 139.026944
Percentage Composition: C 51.80%; H 3.62%; N 10.07%; O 34.50%

>>Derivative: Me ether

Synonym(s): 6-Methoxy-3-pyridinecarboxylic acid

CAS Registry Number: 66572-55-2
Molecular Formula: C₇H₇NO₃
Molecular Weight: 153.137
Accurate Mass: 153.042594
Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%
Physical Description: Needles (H₂O)
Melting Point: Mp 237-238°. Mp 171.5-172.5°

>>Derivative: Me ether, Et ester

CAS Registry Number: 74925-37-4
Molecular Formula: C₉H₁₁NO₃
Molecular Weight: 181.191
Accurate Mass: 181.073894
Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%
Physical Description: Prisms (EtOH)
Melting Point: Mp 71°
Boiling Point: Bp_{0.25} 135°