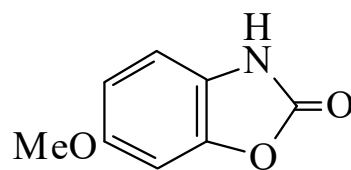




>>Entry Name: 6-Methoxy-2(3*H*)-benzoxazolone, 9CI

ENTRY UNDER REVIEW

Synonym(s): 6-Methoxy-2-benzoxazolinone, 8CI. Coisol. MBOA



CAS Registry Number: 532-91-2

Molecular Formula: C₈H₇NO₃

Molecular Weight: 165.148

Accurate Mass: 165.042594

Percentage Composition: C 58.18%; H 4.27%; N 8.48%; O 29.06%

Secale cereale). Also present in all plant parts of *Scoparia dulcis* (Scrophulariaceae)

Use/Importance: Disease and insect attack inhibitor

Physical Description: Pink cryst. (MeOH aq.)

Melting Point: Mp 160-161° (154-155°)

Solubility: BERDY SOL: Sol. bases, EtOH, Et₂O, C₆H₆; fairly sol. H₂O; poorly sol. hexane

UV: [neutral] λ_{max} 229 (); 286 () (H₂O) (Berdy)

Sigma: M0640

>>Derivative: *N*-Ac

CAS Registry Number: 62655-08-7

Molecular Formula: C₁₀H₉NO₄

Molecular Weight: 207.185

Accurate Mass: 207.053159

Percentage Composition: C 57.97%; H 4.38%; N 6.76%; O 30.89%

Physical Description: Needles

Melting Point: Mp 147.5°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₅H₁₁NO₄

Molecular Weight: 269.256

Accurate Mass: 269.068809

Percentage Composition: C 66.91%; H 4.12%; N 5.20%; O 23.77%

Physical Description: Needles

Melting Point: Mp 162-162.5°

>>Derivative: 5-Chloro

Synonym(s): 5-Chloro-6-methoxy-2(3*H*)-benzoxazolone. 5-Chloro-6-methoxy-2-benzoxazolinone

Molecular Formula: C₈H₆ClNO₃

Molecular Weight: 199.593

Accurate Mass: 199.003621

Percentage Composition: C 48.14%; H 3.03%; Cl 17.76%; N 7.02%; O 24.05%

Biological Source: Isol. from *Zea mays*

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