



>>Entry Name: 6-Methyl-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, 9CI
Synonym(s): 6-Methylchromone-2-carboxylic acid

CAS Registry Number: 5006-44-0

Molecular Formula: C₁₁H₈O₄
Molecular Weight: 204.182
Accurate Mass: 204.04226
Percentage Composition: C 64.71%; H 3.95%; O 31.34%
Melting Point: Mp 270°

Aldrich: 41749-1

>>Derivative: Me ester

Molecular Formula: C₁₂H₁₀O₄
Molecular Weight: 218.209
Accurate Mass: 218.05791
Percentage Composition: C 66.05%; H 4.62%; O 29.33%
Melting Point: Mp 146.5-148°

>>Derivative: Et ester

Molecular Formula: C₁₃H₁₂O₄
Molecular Weight: 232.235
Accurate Mass: 232.07356
Percentage Composition: C 67.23%; H 5.21%; O 27.56%
Melting Point: Mp 78-80°

>>Derivative: Amide

Molecular Formula: C₁₁H₉NO₃
Molecular Weight: 203.197
Accurate Mass: 203.058244
Percentage Composition: C 65.02%; H 4.46%; N 6.89%; O 23.62%
Melting Point: Mp 325-329°

>>Derivative: Nitrile

Synonym(s): 2-Cyano-6-methylchromone

Molecular Formula: C₁₁H₇NO₂
Molecular Weight: 185.182
Accurate Mass: 185.047679
Percentage Composition: C 71.35%; H 3.81%; N 7.56%; O 17.28%
Melting Point: Mp 160-161°

References:

Ruhemann, S. *et al.*, *J.C.S.*, 1901, **79**, 470
v. Auwers, K. *et al.*, *Annalen*, 1920, **421**, 1
Zagorenskii, V.A. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1960, **30**, 3850
Niviere, P. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 3658