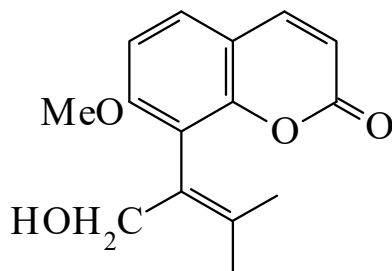




>>Entry Name: Murralonginol

Synonym(s): 8-[1-(Hydroxymethyl)-2-methyl-1-propenyl]-7-methoxy-2*H*-1-benzopyran-2-one, 9Cl



CAS Registry Number: 131652-25-0

Molecular Formula: C₁₅H₁₆O₄

Molecular Weight: 260.289

Accurate Mass: 260.10486

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

>>Derivative: 3-Methylbutanoyl

Synonym(s): Murralonginol isovalerate

Molecular Formula: C₂₀H₂₄O₅

Molecular Weight: 344.407

Accurate Mass: 344.162375

Percentage Composition: C 69.75%; H 7.02%; O 23.23%

Biological Source: Constit. of *Murraya paniculata*

Physical Description: Pale yellow syrup

>>Derivative: Aldehyde

Synonym(s): Murralongin

CAS Registry Number: 53011-72-6

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

Percentage Composition: C 69.76%; H 5.46%; O 24.78%

Biological Source: Isol. from leaves of *Murraya elongata* and of *Murraya paniculata*

Physical Description: Needles (Et₂O)

Melting Point: Mp 135°

>>Derivative: Aldehyde, *O*-de-Me, *O*-prenyl

Synonym(s): Murrayaetin

CAS Registry Number: 159650-10-9

Molecular Formula: C₁₉H₂₀O₄

Molecular Weight: 312.365

Accurate Mass: 312.13616

Percentage Composition: C 73.06%; H 6.45%; O 20.49%

Source/Synthesis: Isol. from roots of *Murraya koenigii*

Melting Point: Mp 126-128°

References:

- Talapatra, S.K. *et al.*, *Tet. Lett.*, 1973, 5005, (*isol*)
Raj, K. *et al.*, *Phytochemistry*, 1976, **15**, 1787, (*isol*)
Imai, F. *et al.*, *Chem. Pharm. Bull.*, 1986, **34**, 3978, (*struct*)
Joshi, P.C. *et al.*, *Phytochemistry*, 1989, **28**, 1281, (*isol*, *cmr*)
Ito, C. *et al.*, *J.C.S. Perkin I*, 1990, 2047, (*isol*, *synth*, *pmr*, *cmr*)
Srivastava, S.K. *et al.*, *J. Indian Chem. Soc.*, 1993, **70**, 655, (*Murrayaetin*)