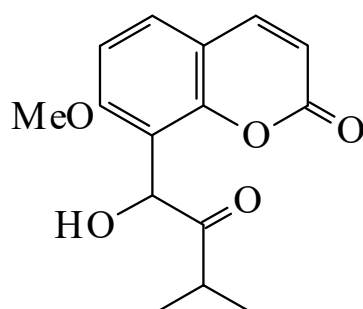




>>Entry Name: 8-(1-Hydroxy-2-oxo-3-methylbutyl)-7-methoxy-2*H*-1-benzopyran-2-one



Molecular Formula: C₁₅H₁₆O₅

Molecular Weight: 276.288

Accurate Mass: 276.099775

Percentage Composition: C 65.21%; H 5.84%; O 28.95%

>>Variant: (+)-form

Synonym(s): Murranganone

CAS Registry Number: 112789-91-0

Molecular Formula: C₁₅H₁₆O₅

Molecular Weight: 276.288

Accurate Mass: 276.099775

Percentage Composition: C 65.21%; H 5.84%; O 28.95%

Biological Source: Constit. of *Murraya exotica*

Physical Description: Oil

Optical Rotation: [α]_D +105.8 (c, 0.06 in CHCl₃)

>>Derivative: *O*-Ac

Synonym(s): Hainanmurpanin

CAS Registry Number: 95360-22-8

Molecular Formula: C₁₇H₁₈O₆

Molecular Weight: 318.326

Accurate Mass: 318.11034

Percentage Composition: C 64.14%; H 5.70%; O 30.16%

Biological Source: Constit. of *Murraya paniculata*

Physical Description: Cryst.

Melting Point: Mp 98-101°

Optical Rotation: [α]_D²⁸ +7 (CHCl₃)

>>Derivative: 3',4'-Didehydro, *O*-Ac

CAS Registry Number: 144462-01-1

Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

Biological Source: Constit. of *Phebalium bilobum*

Physical Description: Oil

Optical Rotation: [α]_D +120 (c, 0.2 in CHCl₃)

>>Derivative: 5-Methoxy, *O*-(3-methylbutanoyl)

Synonym(s): Omphamurrayone

CAS Registry Number: 182354-57-0

Molecular Formula: C₂₁H₂₆O₇

Molecular Weight: 390.432

Accurate Mass: 390.167855

Percentage Composition: C 64.60%; H 6.71%; O 28.69%

Biological Source: Constit. of *Murraya paniculata* var. *omphalocarpa*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 147-149°