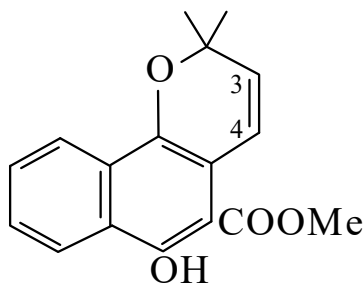




>>Entry Name: Mollugin

Synonym(s): 6-Hydroxy-2,2-dimethyl-2*H*-naphtho[1,2-*b*]pyran-5-carboxylic acid methyl ester, 9Cl. Rubimaillin



CAS Registry Number: 55481-88-4

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

Biological Source: Constit. of the rhizomes of *Galium mollugo*, *Rubia cordifolia* and *Rubia schumanniana*

Physical Description: Yellow cryst. (EtOAc)

Melting Point: Mp 132-134°

>>Derivative: 3-Hydroxy

Synonym(s): 3-Hydroxymollugin

Molecular Formula: C₁₇H₁₆O₅

Molecular Weight: 300.31

Accurate Mass: 300.099775

Percentage Composition: C 67.99%; H 5.37%; O 26.64%

Biological Source: Constit. of *Rubia cordifolia*

Physical Description: Pale yellow needles

Melting Point: Mp 143-145°

>>Derivative: 3-Methoxy

Synonym(s): 3-Methoxymollugin

Molecular Formula: C₁₈H₁₈O₅

Molecular Weight: 314.337

Accurate Mass: 314.115425

Percentage Composition: C 68.78%; H 5.77%; O 25.45%

Biological Source: Constit. of *Rubia cordifolia*

Physical Description: Pale yellow needles

Melting Point: Mp 121-123°

>>Derivative: 3,4-Dihydro

CAS Registry Number: 60657-93-4

Molecular Formula: C₁₇H₁₈O₄

Molecular Weight: 286.327

Accurate Mass: 286.12051

Percentage Composition: C 71.31%; H 6.34%; O 22.35%

Biological Source: Constit. of *Rubia cordifolia*

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 105-106°

>>Derivative: 3,4-Dihydro, 3,4-dihydroxy

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 *Rubia cordifolia*

Physical Description: Amorph. powder