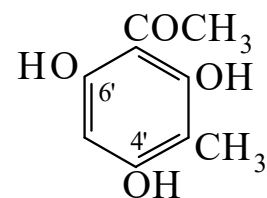




>>Entry Name: 2',4',6'-Trihydroxy-3'-methylacetophenone

ENTRY UNDER REVIEW

Synonym(s): 1-(2,4,6-Trihydroxy-3-methylphenyl)ethanone, 9CI. 3-Methylphloracetophenone



CAS Registry Number: 2657-28-5

Molecular Formula: C<sub>9</sub>H<sub>10</sub>O<sub>4</sub>

Molecular Weight: 182.176

Accurate Mass: 182.05791

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

>>Derivative: 2'-Me ether

Synonym(s): 4',6'-Dihydroxy-2'-methoxy-3'-methylacetophenone

CAS Registry Number: 52200-61-0

Molecular Formula: C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 196.202

Accurate Mass: 196.07356

Percentage Composition: C 61.22%; H 6.16%; O 32.62%

Biological Source: Isol. from lichen *Stereocaulon vesuvianum*

Physical Description: Cryst.

Melting Point: Mp 143-144°

Other Data: Struct. of nat. product in doubt (1985). Isolate more likely to be [DTZ26-O](#)

>>Derivative: 4'-Me ether

Synonym(s): 2',6'-Dihydroxy-4'-methoxy-3'-methylacetophenone

CAS Registry Number: 69480-06-4

Molecular Formula: C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 196.202

Accurate Mass: 196.07356

Percentage Composition: C 61.22%; H 6.16%; O 32.62%

Biological Source: Constit. of *Mallotus japonicus*

Biological Use/Importance: Cytotoxic agent

Physical Description: Yellow needles (CHCl<sub>3</sub>)

Melting Point: Mp 200-201°

>>Derivative: 6'-Me ether

Synonym(s): 2',4'-Dihydroxy-6'-methoxy-3'-methylacetophenone

CAS Registry Number: 83459-37-4

Molecular Formula: C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 196.202

Accurate Mass: 196.07356

Percentage Composition: C 61.22%; H 6.16%; O 32.62%

Biological Source: Constit. of the roots of *Euphorbia ebracteolata* and bulbs of *Pancratium maritimum*

Biological Use/Importance: Shows antibacterial activity

Physical Description: Pale yellow needles (MeOH)

Melting Point: Mp 202-203 dec.°

>>Derivative: 6'-Me ether, 4'-O-β-D-glucopyranoside

CAS Registry Number: 145194-40-7

Molecular Formula: C<sub>16</sub>H<sub>22</sub>O<sub>9</sub>

Molecular Weight: 358.344

Accurate Mass: 358.126385

Percentage Composition: C 53.63%; H 6.19%; O 40.18%

Biological Source: Constit. of the roots of *Dianella ensifolia* and *Euphorbia ebracteolata*

Biological Use/Importance: Shows antibacterial activity