



**Percentage Composition:** C 69.71%; H 3.76%; O 26.53%

**Melting Point:** Mp 191-192°

>>**Derivative:** Tribenzoyl, Me ester

**Molecular Formula:** C<sub>29</sub>H<sub>20</sub>O<sub>8</sub>

**Molecular Weight:** 496.472

**Accurate Mass:** 496.11582

**Percentage Composition:** C 70.16%; H 4.06%; O 25.78%

**Melting Point:** Mp 139°

>>**Derivative:** 3-Me ether

**Synonym(s):** 3,4-Dihydroxy-5-methoxybenzoic acid

**CAS Registry Number:** 3934-84-7

**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>O<sub>5</sub>

**Molecular Weight:** 184.148

**Accurate Mass:** 184.037175

**Percentage Composition:** C 52.18%; H 4.38%; O 43.44%

**Biological Source:** Isol. from *Geranium collinum* and leaves of *Atraphaxis frutescens*

**Melting Point:** Mp 220° (197°)

**Other Data:** Mp also reported as 131-132°

>>**Derivative:** 3-Me ether, 5-*O*-β-D-glucopyranoside

**CAS Registry Number:** 191481-09-1

**Molecular Formula:** C<sub>14</sub>H<sub>18</sub>O<sub>10</sub>

**Molecular Weight:** 346.29

**Accurate Mass:** 346.09

**Percentage Composition:** C 48.56%; H 5.24%; O 46.20%

**Biological Source:** Constit. of *Tabernaemontana cymosa*

**Physical Description:** Amorph.

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -56 (c, 0.9 in MeOH)

**UV:** [neutral]  $\lambda_{\max}$  211 (log  $\epsilon$  4.41); 259 (log  $\epsilon$  3.91) (MeOH) [neutral]  $\lambda_{\max}$  211 ( $\epsilon$  25700); 259 ( $\epsilon$  8130) (MeOH) (Berdy) [acid]  $\lambda_{\max}$  216 ( $\epsilon$  23442); 266 ( $\epsilon$  9120) (MeOH-HCl) (Berdy) [base]  $\lambda_{\max}$  203 ( $\epsilon$  41700); 293 ( $\epsilon$  12000) (MeOH-NAOH) (Berdy)

>>**Derivative:** 3-Me ether, Me ester

**CAS Registry Number:** 3934-86-9

**Molecular Formula:** C<sub>9</sub>H<sub>10</sub>O<sub>5</sub>

**Molecular Weight:** 198.175

**Accurate Mass:** 198.052825

**Percentage Composition:** C 54.55%; H 5.09%; O 40.37%

**Biological Source:** Isol. from *Myricaria alopecuroides*

>>**Derivative:** 3-Me ether, 5-*O*-sulfate

**CAS Registry Number:** 223461-51-6

**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>O<sub>8</sub>S

**Molecular Weight:** 264.212

**Accurate Mass:** 263.99399

**Percentage Composition:** C 36.37%; H 3.05%; O 48.44%; S 12.14%

**Biological Source:** Constit. of the flowers of *Tamarix amplexicaulis*

**Other Data:** Isol. as K salt to which registry number refers