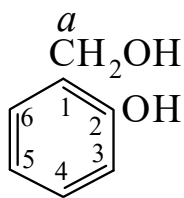




>>Entry Name: 2-Hydroxybenzyl alcohol

ENTRY UNDER REVIEW

Synonym(s): 2-Hydroxybenzenemethanol, 9CI. **Salicyl alcohol**, USAN.  $\alpha$ ,2-Dihydroxytoluene. *o*-Hydroxymethylphenol. Diathesin. **Salicain**‡. Saligenin. Saligenol. Salicinol



CAS Registry Number: 90-01-7

Related CAS Registry Numbers(s): 29034-41-1

Molecular Formula: C<sub>7</sub>H<sub>8</sub>O<sub>2</sub>

Molecular Weight: 124.139

Accurate Mass: 124.05243

Percentage Composition: C 67.73%; H 6.50%; O 25.78%

Biological Source: Isol. from dried bark of *Populus sieboldii*

Use/Importance: Local anaesthetic and antiinflammatory agent

Physical Description: Needles or plates (H<sub>2</sub>O or Et<sub>2</sub>O)

Melting Point: Mp 87°

Density: d<sub>25</sub><sup>25</sup> 1.16

pKa Value: pK<sub>a1</sub> 9.84 (25°)

Calculated Log P Data: Log P 0.44 (calc)

Other Data: Sublimes at 100°

**Hazard & Toxicity:** Exp. reprod. and teratogenic effects

Aldrich: 16695-2

Fluka: 54840

Sigma: S0503

>>Derivative: 2-*O*-β-D-Glucopyranoside

>>Derivative: α-Ac

Molecular Formula: C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Boiling Point: Bp<sub>29</sub> 167-168°

>>Derivative: Di-Ac

CAS Registry Number: 1575-87-7

Molecular Formula: C<sub>11</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 208.213

Accurate Mass: 208.07356

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Boiling Point: Bp<sub>11</sub> 162-164°

>>Derivative: Dibenzoyl

Molecular Formula: C<sub>21</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 332.355

Accurate Mass: 332.10486

Percentage Composition: C 75.89%; H 4.85%; O 19.26%

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 85°