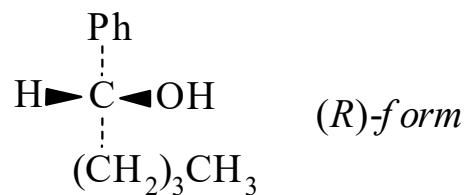




>>Entry Name: 1-Phenyl-1-pentanol

Synonym(s): α -Butylbenzenemethanol, 9CI. Butyl phenyl carbinol. Phenyl butyl carbinol. α -Butylbenzyl alcohol. **Fenipentol**, INN, JAN. Febichol. Kol. Pancoral. Pentabil. Pentfenil. Sapem. Suiclisin



CAS Registry Number: 583-03-9

Molecular Formula: C₁₁H₁₆O

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Use/Importance: Choloretic agent

Calculated Log P Data: Log P 3 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 5432 mg/kg. Exp. reprod. and teratogenic effects

Rare Chemicals Library: S45887-2

>>Variant: (R)-form

CAS Registry Number: 19641-53-3

Molecular Formula: C₁₁H₁₆O

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Physical Description: Liq.

Boiling Point: Bp₈ 110-115°

Optical Rotation: [α]_D +37.6 (c, 3 in C₆H₆) (ca. 100% op)

>>Variant: (S)-form

CAS Registry Number: 33652-83-4

Molecular Formula: C₁₁H₁₆O

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Physical Description: Liq.

Boiling Point: Bp₈ 113-114°

Optical Rotation: [α]_D -17.2 (neat) (opt. pure)

>>Variant: ($\pm$)-form

CAS Registry Number: 21632-19-9

Molecular Formula: C₁₁H₁₆O

Molecular Weight: 164.247

Accurate Mass: 164.120115

Percentage Composition: C 80.44%; H 9.82%; O 9.74%

Physical Description: Liq.

Boiling Point: Bp₂₁ 137°

Density: d₂₅ 1.01

Refractive Index: n_D²⁵ 1.4806

References: