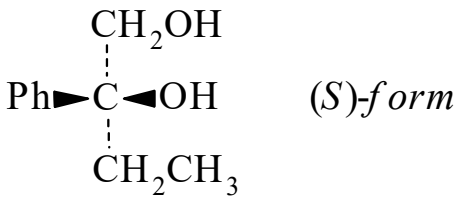
>>**Entry Name: 2-Phenyl-1,2-butanediol,** 9Cl



(*S*)-*form*

Related CAS Registry Numbers(s): 89556-36-5

Molecular Formula: $C_{10}H_{14}O_2$
Molecular Weight: 166.219
Accurate Mass: 166.09938
Percentage Composition: C 72.26%; H 8.49%; O 19.25%

>>**Variant:** (*S*)-form

CAS Registry Number: 2404-42-4
Molecular Formula: $C_{10}H_{14}O_2$
Molecular Weight: 166.219
Accurate Mass: 166.09938
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Boiling Point: Bp_{18} 156.5°
Optical Rotation: $[\alpha]_D^{19}$ –11.4 (c, 7.4 in EtOH)

>>**Variant:** (±)-form

Molecular Formula: $C_{10}H_{14}O_2$
Molecular Weight: 166.219
Accurate Mass: 166.09938
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Physical Description: Cryst. (petrol)
Melting Point: Mp 56°
Boiling Point: Bp_{23} 165°

>>**Derivative:** 1-Carbamate
Synonym(s): Hydroxyphenamate, USAN**.** Oxyfenamate, INN. Listica. AL 0361. NSC 108034. P 301

CAS Registry Number: 50-19-1

Molecular Formula: $C_{11}H_{15}NO_3$
Molecular Weight: 209.244
Accurate Mass: 209.105194
Percentage Composition: C 63.14%; H 7.23%; N 6.69%; O 22.94%
Use/Importance: Minor tranquilliser
Melting Point: Mp 55-56.5°
Calculated Log P Data: Log P 1.17 (calc)
Hazard & Toxicity: LD_{50} (rat, orl) 607 mg/kg

References:

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