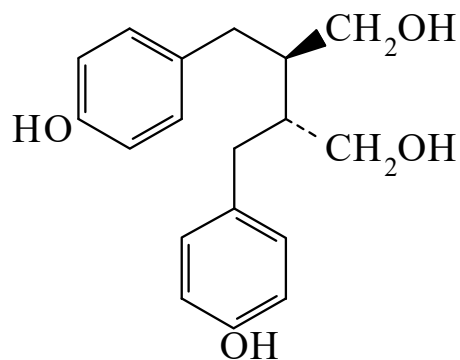




>>Entry Name: 4,4',9,9'-Tetrahydroxylignan

ENTRY UNDER REVIEW

Synonym(s): 2,3-Bis[(3-hydroxyphenyl)methyl]-1,4-butanediol, 9Cl. 2,3-Bis(3-hydroxybenzyl)-1,4-butanediol. **Enterodiol**



CAS Registry Number: 80226-00-2

Molecular Formula: C₁₈H₂₂O₄

Molecular Weight: 302.369

Accurate Mass: 302.15181

Percentage Composition: C 71.50%; H 7.33%; O 21.17%

Calculated Log P Data: Log P 1.14 (calc)

>>Variant: (7R*,7'R*)-form

Synonym(s): *threo*-form

Molecular Formula: C₁₈H₂₂O₄

Molecular Weight: 302.369

Accurate Mass: 302.15181

Percentage Composition: C 71.50%; H 7.33%; O 21.17%

Biological Source: Compd. of lignan-type isol. from mammalian urine. Formed by the action of gut flora on Matairesinol [JRV93-M](#) present in grain

>>Variant: (7RS,7'RS)-form

Synonym(s): (±)-*threo*-form

CAS Registry Number: 76543-16-3

Molecular Formula: C₁₈H₂₂O₄

Molecular Weight: 302.369

Accurate Mass: 302.15181

Percentage Composition: C 71.50%; H 7.33%; O 21.17%

Melting Point: Mp 148-150°

References:

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Bannwart, C. *et al.*, *Finn. Chem. Lett.*, 1984, 120, (*biosynth*)
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van Oeveren, A. *et al.*, *J.O.C.*, 1994, **59**, 5999, (*synth*)