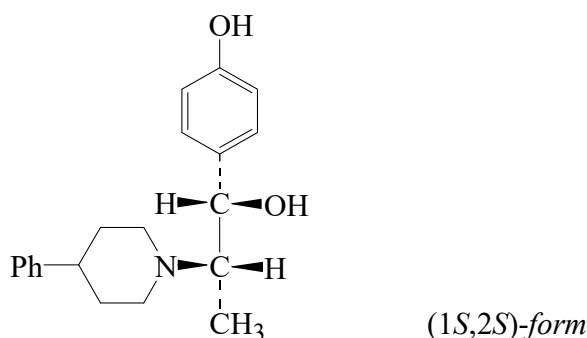




>>Entry Name: Ifenprodil, INN, USAN

Synonym(s):  $\alpha$ -(4-Hydroxyphenyl)- $\beta$ -methyl-4-(phenylmethyl)-1-piperidineethanol, 9Cl. 2-(4-Benzylpiperidino)-1-(4-hydroxyphenyl)-1-propanol. Angiotrofin. Cerocral. Dilvax. Serocral. Fx-505. RC 61-91. Many other names



CAS Registry Number: 23210-56-2

Related CAS Registry Numbers(s): 23210-57-3 54530-42-6 66157-43-5 66414-06-0 74991-34-7 74991-36-9 88020-88-6 97134-50-4 97134-53-7 136172-79-7 136376-44-8 136376-45-9

Molecular Formula: C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>

Molecular Weight: 325.45

Accurate Mass: 325.204179

Percentage Composition: C 77.50%; H 8.36%; N 4.30%; O 9.83%

Calculated Log P Data: Log P 3.98 (calc)

>>Variant: (1*S*,2*S*)-form

Synonym(s): (–)-*erythro*-form

Molecular Formula: C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>

Molecular Weight: 325.45

Accurate Mass: 325.204179

Percentage Composition: C 77.50%; H 8.36%; N 4.30%; O 9.83%

Melting Point: Mp 187-189°

Optical Rotation:  $[\alpha]_D^{20}$  –39.7 (c, 0.3 in MeOH)

>>Variant: (1*R**S*,2*R**S*)-form

Synonym(s): (±)-*erythro*-form

Molecular Formula: C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>

Molecular Weight: 325.45

Accurate Mass: 325.204179

Percentage Composition: C 77.50%; H 8.36%; N 4.30%; O 9.83%

Biological Use/Importance:  $\alpha$ -Adrenoceptor antagonist; vasodilator. Selective NMDA antagonist. Exp. cerebroprotective

Melting Point: Mp 114°

Hazard & Toxicity: LD<sub>50</sub> (mus, orl) 320 mg/kg

>>Derivative: Tartrate

Synonym(s): Ifenprodil tartrate, JAN. Vadilex

CAS Registry Number: 23210-58-4

Melting Point: Mp 178-180°

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) 538 mg/kg. Exp. reprod. effects

Sigma: I2892

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