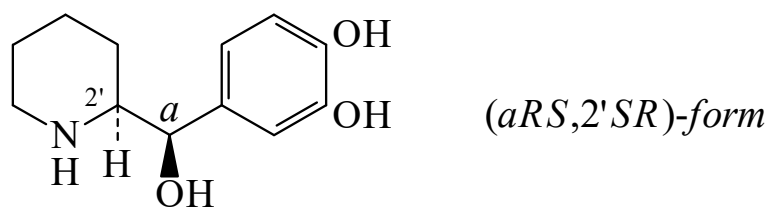




>>Entry Name: Rimiterol, BAN, INN

Synonym(s): 4-(Hydroxy-2-piperidinylmethyl)-1,2-benzenediol, 9Cl. α -(3,4-Dihydroxyphenyl)-2-piperidinemethanol, 8Cl



CAS Registry Number: 32953-89-2

Related CAS Registry Numbers(s): 31931-97-2

Molecular Formula: C₁₂H₁₇NO₃

Molecular Weight: 223.271

Accurate Mass: 223.120844

Percentage Composition: C 64.55%; H 7.67%; N 6.27%; O 21.50%

Use/Importance: β -Adrenoceptor agonist. Bronchodilator

Calculated Log P Data: Log P 0.27 (calc)

>>Variant: (α RS,2'SR)-form

Synonym(s): ($\pm$)-erythro-form

Molecular Formula: C₁₂H₁₇NO₃

Molecular Weight: 223.271

Accurate Mass: 223.120844

Percentage Composition: C 64.55%; H 7.67%; N 6.27%; O 21.50%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 203-204°

>>Derivative: Hydrobromide

Synonym(s): Rimiterol hydrobromide, USAN. Asmaten. Pulmadil. R 798. SKF 38730. WG 253

CAS Registry Number: 31842-61-2

Physical Description: Powder

Melting Point: Mp 220 dec.°

Other Data: The name Pulmadil also refers to the hydrochloride

References:

Sankey, G.H. *et al.*, *J. Het. Chem.*, 1972, **9**, 1049, (*synth*)

Pinder, R.M. *et al.*, *Drugs*, 1977, **14**, 81, (*rev*)

Aasen, A.J. *et al.*, *Acta Chem. Scand., Ser. B*, 1988, **42**, 216, (*abs config*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1254