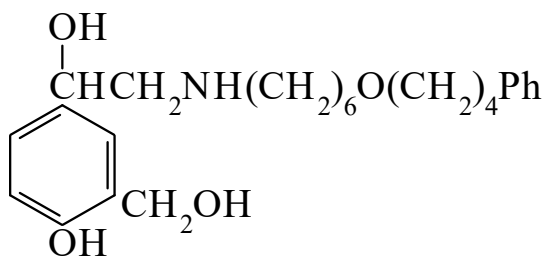




>>Entry Name: Salmeterol, BAN, INN, USAN

Synonym(s): 4-Hydroxy- α '-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol, 9CI. 5-[1-Hydroxy-2-[6-(4-phenylbutoxy)hexylamino]ethyl]salicyl alcohol. Salmeterol. GR 33343X



Related CAS Registry Numbers(s): 94749-03-8

Molecular Formula: $C_{25}H_{37}NO_4$

Molecular Weight: 415.572

Accurate Mass: 415.272259

Percentage Composition: C 72.26%; H 8.97%; N 3.37%; O 15.40%

Biological Use/Importance: β -Adrenoceptor agonist. Sympathomimetic agent used in the treatment of asthma

Development Status: Marketed drug. Launched 1990. Worldwide 47th best selling prescription drug (as Serevent) (\$0.94 bn) (GlaxoSmithKline) (2000, Pharma Business)

Calculated Log P Data: Log P 3.11 (calc)

Other Data: Used in conjunction with [HJV62-C](#)

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

CAS Registry Number: 89365-50-4

Molecular Formula: $C_{25}H_{37}NO_4$

Molecular Weight: 415.572

Accurate Mass: 415.272259

Percentage Composition: C 72.26%; H 8.97%; N 3.37%; O 15.40%

Physical Description: Cryst. (EtOAc/Et₂O)

Melting Point: Mp 75.5-76.5°

>>Derivative: Benzoate

CAS Registry Number: 94749-04-9

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 117-117.5°

>>Derivative: Sulfate (2:1)

CAS Registry Number: 94749-10-7

Physical Description: Cryst. (EtOH)

Melting Point: Mp 117.5-119.5°

>>Derivative: 1-Hydroxy-2-naphthoate

Synonym(s): Salmeterol xinafoate, BAN, INN, USAN. Aeromax. Arial. Beglan. Betamican. Inaspir. Salmetedur. Serevent. GR 333439

CAS Registry Number: 94749-08-3

Melting Point: Mp 137-138°

Other Data: Component of Seretide

Sigma: S5422

References:

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