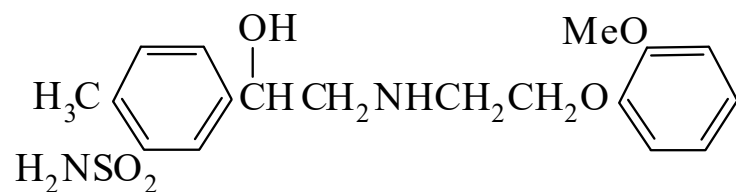




>> **Name:** Amosulalol, INN

Synonym(s): 5-[1-Hydroxy-2-[[2-(2-methoxyphenoxy)ethyl]amino]ethyl]-2-methylbenzenesulfonamide, 9Cl. Amosulal. Lowgan



Related CAS Registry Numbers(s): 94666-15-6 94666-17-8

Molecular Formula: C₁₈H₂₄N₂O₅S

Molecular Weight: 380.464

Accurate Mass: 380.140593

Percentage Composition: C 56.82%; H 6.36%; N 7.36%; O 21.03%; S 8.43%

Use/Importance: Combined α - and β -adrenoceptor antagonist, antihypertensive agent

Development Status: Launched 1988

Calculated Log P Data: Log P 0.86 (calc)

Other Data: Enantiomers known, (-)-form is more potent β -adrenoceptor antagonist

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

CAS Registry Number: 85320-68-9

Molecular Formula: C₁₈H₂₄N₂O₅S

Molecular Weight: 380.464

Accurate Mass: 380.140593

Percentage Composition: C 56.82%; H 6.36%; N 7.36%; O 21.03%; S 8.43%

>> **Derivative:** Hydrochloride

Synonym(s): Amosulalol hydrochloride, JAN. YM 09538

CAS Registry Number: 70958-86-0

Physical Description: Cryst. + $\frac{1}{2}$ H₂O

Melting Point: Mp 166-169°

Hazard & Toxicity: Exp. reprod. effects

References:

Ger. Pat., 1979, Yamanouchi, 2 843 016; *CA*, **91**, 157445a, (*synth*)

Takenaka, T. *et al.*, *Eur. J. Pharmacol.*, 1982, **85**, 35, (*pharmacol*)

Kamimura, H. *et al.*, *J. Chromatogr.*, 1983, **275**, 81, (*glc*)

Takenaka, T. *et al.*, *J. Pharm. Pharmacol.*, 1984, **36**, 539, (*pharmacol*)

Kamimura, H. *et al.*, *Xenobiotica*, 1984, **14**, 613; 621, (*pharmacol, metab*)

Honda, K. *et al.*, *Jpn. J. Pharmacol.*, 1986, **41**, 459, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 629

Beta-blockers in Clinical Practice, (Eds. Cruickshank, J.M. *et al.*), 2nd edn., Churchill Livingstone, 1994, 1111, (*book*)

Inagaki, O. *et al.*, *J. Cardiovasc. Pharmacol.*, 1994, **24**, 794, (*pharmacol*)