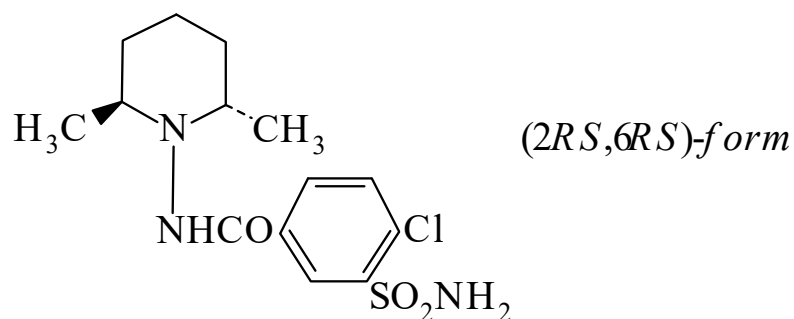




>>Entry Name: Clopamide, BAN, INN, USAN

Synonym(s): 3-(Aminosulfonyl)-4-chloro-*N*-(2,6-dimethyl-1-piperidiny)benzamide, 9Cl. 4-Chloro-*N*-(2,6-dimethylpiperidino)-3-sulfamoylbenzamide, 8Cl. 1-(4-Chloro-3-sulfamoylbenzamido)-2,6-dimethylpiperidine. Adurix. Aquex. Brinaldix. Chlosudimepriny. DT 327



CAS Registry Number: 3563-77-7

Molecular Formula: C₁₄H₂₀ClN₃O₃S

Molecular Weight: 345.849

Accurate Mass: 345.091389

Percentage Composition: C 48.62%; H 5.83%; Cl 10.25%; N 12.15%; O 13.88%; S 9.27%

Use/Importance: Diuretic, antihypertensive

Calculated Log P Data: Log P 2.25 (uncertain value) (calc)

>>Variant: (2*R*, 6*R*)-form

Synonym(s): (±)-*trans*-form

Molecular Formula: C₁₄H₂₀ClN₃O₃S

Molecular Weight: 345.849

Accurate Mass: 345.091389

Percentage Composition: C 48.62%; H 5.83%; Cl 10.25%; N 12.15%; O 13.88%; S 9.27%

Melting Point: Mp 234-236°

>>Variant: (2*R*, 6*S*)-form

Synonym(s): *cis*-form

CAS Registry Number: 636-54-4

Molecular Formula: C₁₄H₂₀ClN₃O₃S

Molecular Weight: 345.849

Accurate Mass: 345.091389

Percentage Composition: C 48.62%; H 5.83%; Cl 10.25%; N 12.15%; O 13.88%; S 9.27%

Physical Description: Cryst. (MeOH/diisopropyl ether)

Melting Point: Mp 244-246°

Other Data: The pharmaceutical prod. is this stereoisomer

Sigma: C0290

References:

- Jucker, E. *et al.*, *Helv. Chim. Acta*, 1962, **45**, 2316, (*synth, ir*)
Doerling, H.J. *et al.*, *Arzneim.-Forsch.*, 1966, **16**, 1183; 1197, (*pharmacol*)
Terry, B. *et al.*, *J. Pharmacol. Exp. Ther.*, 1968, **160**, 367, (*pharmacol*)
Kracmar, J. *et al.*, *Pharmazie*, 1975, **30**, 447, (*uv*)
McNeil, J.J. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1987, **42**, 299, (*pharmacokinet*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 813