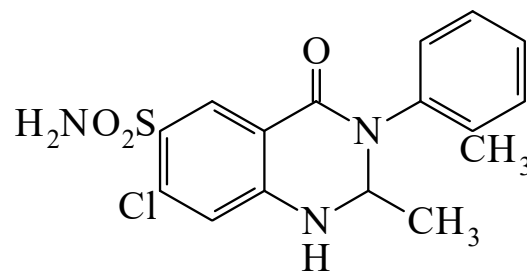




>>Entry Name: Metolazone, BAN, INN, JAN, USAN

Synonym(s): 7-Chloro-1,2,3,4-tetrahydro-2-methyl-3-(2-methylphenyl)-4-oxo-6-quinazolinesulfonamide, 9Cl. 7-Chloro-1,2,3,4-tetrahydro-2-methyl-4-oxo-3-*o*-tolyl-6-quinazolinesulfonamide, 8Cl. 2-Methyl-3-*o*-tolyl-6-sulfamoyl-7-chloro-1,2,3,4-tetrahydro-4-quinazolinone. Metenix. Xuret. Zaroxolyn. Many other names



CAS Registry Number: 17560-51-9

Molecular Formula: C₁₆H₁₆ClN₃O₃S

Molecular Weight: 365.839

Accurate Mass: 365.060089

Percentage Composition: C 52.53%; H 4.41%; Cl 9.69%; N 11.49%; O 13.12%; S 8.77%

Use/Importance: Diuretic

Calculated Log P Data: Log P 2.32 (calc)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

>>Variant: (±)-form

Molecular Formula: C₁₆H₁₆ClN₃O₃S

Molecular Weight: 365.839

Accurate Mass: 365.060089

Percentage Composition: C 52.53%; H 4.41%; Cl 9.69%; N 11.49%; O 13.12%; S 8.77%

Melting Point: Mp 253-259°

References:

- Belair, E.J. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **177**, 71, (*pharmacol*)
Shetty, B.V. *et al.*, *J. Med. Chem.*, 1970, **13**, 886, (*synth*)
Kuhnert-Brandstaetter, M. *et al.*, *Sci. Pharm.*, 1974, **42**, 150, (*uv*)
Kuhnert-Brandstaetter, M. *et al.*, *Mikrochim. Acta*, 1975, 549, (*isom*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 3931, (*synonyms*)
Beaumont, K. *et al.*, *J. Pharmacol. Exp. Ther.*, 1989, **250**, 414, (*pharmacol*)
Farthing, D. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **653**, 171, (*hplc*)
Martindale, *The Extra Pharmacopoeia*, 31st edn., Pharmaceutical Press, 1996, 907
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 9th edn., Van Nostrand Reinhold, 1996, ZAK300