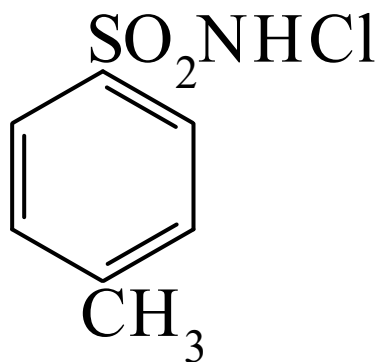




>>Entry Name: **N-Chloro-4-methylbenzenesulfonamide**, 9Cl
Synonym(s): *N*-Chloro-*p*-toluenesulfonamide. *p*-Toluenesulfonchloramide



CAS Registry Number: 144-86-5

Molecular Formula: C₇H₈ClNO₂S
Molecular Weight: 205.664
Accurate Mass: 204.996426
Percentage Composition: C 40.88%; H 3.92%; Cl 17.24%; N 6.81%; O 15.56%; S 15.59%
Biological Use/Importance: Antibacterial agent, disinfectant
Hazard & Toxicity: Explodes when heated to 175-180°

>>Derivative: Na salt

Synonym(s): **Tosylchloramide sodium**, INN. Acti-chlore. Chloramine T. Chloraseptine. Dygerma. Hydrosept. Many other names

CAS Registry Number: 127-65-1

Extra CAS Registry Numbers(s): 7080-50-4

Use/Importance: Used for radioiodination of peptides. Oxidising agent used in photometric detn. of NH₃, CN⁽⁻⁾, SCN⁽⁻⁾
Biological Use/Importance: Antibacterial agent
Melting Point: Mp 180 dec.° (as trihydrate)
Hazard & Toxicity: Exploded on storage in closed container. Occup. sensitiser. Can cause asthma. Irritant

Sigma: C9887

>>Derivative: Mg salt

Synonym(s): Jovanyl. Septamid

CAS Registry Number: 8042-21-5

Biological Use/Importance: Wound disinfectant, deodorant

>>Derivative: *N*-Me

CAS Registry Number: 2350-10-9
Molecular Formula: C₈H₁₀ClNO₂S
Molecular Weight: 219.691
Accurate Mass: 219.012076
Percentage Composition: C 43.74%; H 4.59%; Cl 16.14%; N 6.38%; O 14.57%; S 14.60%
Physical Description: Prisms (CHCl₃/petrol)
Melting Point: Mp 74°. Mp 82°
Other: PB C15306

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