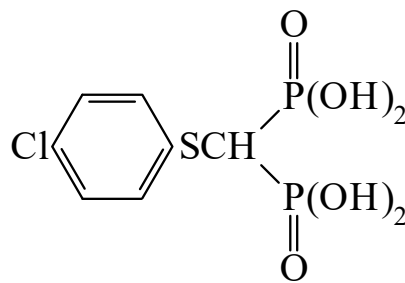




>>Entry Name: Tiludronic acid, BAN, INN

Synonym(s): [[(4-Chlorophenyl)thio]methylene]bisphosphonic acid, 9Cl. Skeud



CAS Registry Number: 89987-06-4

Related CAS Registry Numbers(s): 155453-09-1 155453-10-4

Molecular Formula: C<sub>7</sub>H<sub>9</sub>ClO<sub>6</sub>P<sub>2</sub>S

Molecular Weight: 318.611

Accurate Mass: 317.928361

Percentage Composition: C 26.39%; H 2.85%; Cl 11.13%; O 30.13%; P 19.44%; S 10.06%

Use/Importance: Inhibits bone resorption; used in the treatment of Paget's disease (bone) and osteoporosis. Antiosteoclastic agent

Development Status: Launched 1995 (Switzerland)

Calculated Log P Data: Log P 0.37 (uncertain value) (calc)

>>Derivative: Di-Na salt

Synonym(s): Tiludronate disodium, USAN

CAS Registry Number: 149845-07-8

>>Derivative: *tert*-Butylamine salt

Synonym(s): SR 41319

Melting Point: Mp 253 dec.°

Other Data: Characterised spectroscopically

#### References:

*Eur. Pat.*, 1984, *Sanofi*, 100 718; *CA*, **100**, 192078j, (*synth, pharmacol*)

Bonnery, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1988, 49, (*pKa*)

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Reginster, J.Y. *et al.*, *Arthritis Rheum.*, 1992, **35**, 967, (*clin trial*)

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Ammann, P. *et al.*, *J. Bone Min. Res.*, 1993, **8**, 1491, (*pharmacol*)

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