



>>Entry Name: Hydrotalcite, BAN, INN, JAN

Synonym(s): Aluminium magnesium carbonate hydroxide hydrate. Hi-Ti. Nacid. Talcid

CAS Registry Number: 12304-65-3

$\text{Mg}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3\cdot 4\text{H}_2\text{O}$

Molecular Formula: $\text{CH}_{24}\text{Al}_2\text{Mg}_6\text{O}_{23}$

Molecular Weight: 603.98

Accurate Mass: 601.944175

Percentage Composition: C 1.99%; H 4.01%; Al 8.93%; Mg 24.14%; O 60.93%

Use/Importance: Dietary phosphate absorber. Antacid

Other Data: Component of Co-simalcite, BAN

References:

U.S. Pat., 1970, *Kyowa Kasei*, 3 539; *CA*, **71**, 51746w

Serna, C.J. *et al.*, *J. Pharm. Sci.*, 1978, **67**, 324, (*struct*)

Pawlaczyk, J. *et al.*, *Acta Pol. Pharm.*, 1980, **37**, 193; 1985, **41**, 671; **42**, 153, (*synth, pharmacol*)

Dreyer, M. *et al.*, *Arzneim.-Forsch.*, 1991, **41**, 738, (*pharmacol*)

Ookubo, A. *et al.*, *J. Pharm. Sci.*, 1992, **81**, 1139

Wolke, E. *et al.*, *Boll. Chim. Farm.*, 1993, **132**, 234, (*tox*)

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