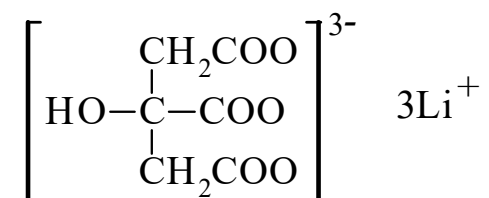




>>Entry Name: Lithium citrate, USAN

Synonym(s): 2-Hydroxy-1,2,3-propanetricarboxylic acid trilithium salt. Cibalith-S. Demalit. Litarex. Lithonate-S



CAS Registry Number: 6080-58-6

Related CAS Registry Numbers(s): 10377-38-5

Extra CAS Registry Numbers(s): 919-16-4

Molecular Formula: C₆H₅Li₃O₇

Molecular Weight: 209.924

Accurate Mass: 210.051539

Percentage Composition: C 34.33%; H 2.40%; Li 9.92%; O 53.35%

Use/Importance: Used in treatment of manic depression

Hazard & Toxicity: Adverse effects of lithium therapy include gastrointestinal disturbances, polyuria, and effects on the nervous system such as tremor or ataxia. Leucocytosis is a relatively common side-effect

Sigma: C2270

References:

- Avery, R.C. *et al.*, *Proc. Soc. Exp. Biol. Med.*, 1937, **37**, 131, (activity)
Glusker, J.P. *et al.*, *Acta Cryst.*, 1965, **19**, 561, (cryst struct)
Loewenstein, A. *et al.*, *Spectrochim. Acta*, 1966, **22**, 1939, (pmr)
Antonov, L. *et al.*, *CA*, 1980, **93**, 142915w, (pharmacol)
Curr. Trends Lithium Rubidium Ther., *Proc. Int. Symp.*, 1983, (Eds. Corsini, G.U. *et al*), MTP Press, 1984, (book)
Textbook of Adverse Drug Reactions, 4th edn., (ed. Davies, D.M.), Oxford University Press, 1991, 615
Lithium Med. Biol., (Eds. Birch N.J. *et al*), Marius Press, 1993, (book)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 257
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TKU500