



LKT Laboratories, Inc.

Etidronate Disodium

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Product Information

Product ID E7433

CAS No. 7414-83-7

Chemical Name (1-Hydroxyethylidene)bisphosphonic acid disodium salt

Synonym Disodium dihydrogen (1-hydroxyethylidene)bis- [phosphate], Didronel, Diphos, Etidron

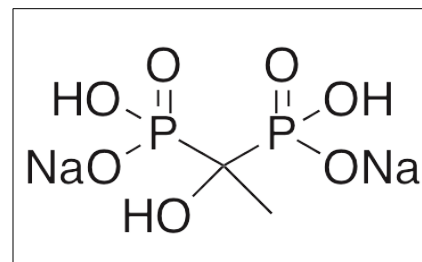
Formula $C_2H_6Na_2O_7P_2$

Formula Wt. 249.99

Melting Point >300°C

Purity ≥98%

Solubility Soluble in water (>26mg/mL).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E7433	250mg	\$75.30
E7433	1 g	\$104.20
E7433	5 g	\$341.60

Store Temp Ambient

Ship Temp Ambient

Description Etidronate is a bisphosphonate and chelating agent that exhibits anti-osteoporotic, anti-resorptive, and anti-inflammatory activities. Etidronate is clinically used to treat osteoporosis, inhibiting bone calcification and resorption. Etidronate is also commercially used to prevent Ca^{2+} and mineral deposition. In macrophages, etidronate inhibits production of COX-2 and prostaglandin E2 (PGE2) and decreases levels of IL-6, TNF- α , and IL-1 β .

References Asano S, Suzuki A, Itoh M. Etidronate for treatment of osteoporosis. Nihon Rinsho. 2009 May;67(5):938-42. PMID: 19432113.

Lomashvili KA, Monier-Faugere MC, Wang X, et al. Effect of bisphosphonates on vascular calcification and bone metabolism in experimental renal failure. Kidney Int. 2009 Mar;75(6):617-25. PMID: 19129793.

Suzuki Y, Nishiyama T, Hasuda K, et al. Effect of etidronate on COX-2 expression and PGE(2) production in macrophage-like RAW 264.7 cells stimulated by titanium particles. J Orthop Sci. 2007 Nov;12(6):568-77. PMID: 18040640.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.