

Product Data Sheet

Product Name: Etidronate

Cat. No.: GC12105

Chemical Properties

Cas. No. 2809-21-4

Chemical Name (1-hydroxy-1-phosphonoethyl)phosphonic acid

SMILES CC(O)(P(=O)(O)O)P(=O)(O)O

Formula $C_2H_8O_7P_2$

M.Wt 206.03

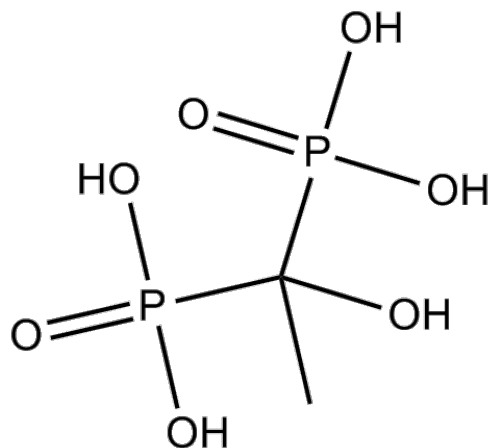
Solubility $\geq 11\text{mg/mL}$ in Water

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Etidronic acid (HEDPA) is a bisphosphonate used in detergents, water treatment, cosmetics and pharmaceutical treatment. Target: Others. Etidronic acid (HEDPA) is a chelating agent and may be added to bind to or counter the effects of substances such as arsenic, iron, or other metal ions that can occur in the presence of some soaps. Etidronic acid also acts to retard oxidation of fatty acids. For clarification, a chelator, or chelating agent is a binding component added to many cosmetics,

Caution: Product has not been fully validated for medical applications. For research use only.

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beauty products, and water softeners to form multiple bonds with a single metal ion and neutralize it.

References:

[1]. <http://www.truthinaging.com/ingredients/etidronic-acid>

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