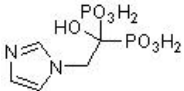


Product datasheet

Zoledronic acid, FPP synthase inhibitor ab141980

Overview

Product name	Zoledronic acid, FPP synthase inhibitor
Description	Highly potent bisphosphonate. FPP synthase inhibitor.
Biological description	Highly potent bisphosphonate. FPP synthase inhibitor. Inhibits osteoclastogenesis (IC ₅₀ = 15 nM). Inhibits ASM and FDPS. Activates PKC. Inhibits osteoclastic bone resorption, shows antihypocalcemic and antiangiogenic effects <i>in vivo</i> .
Purity	> 98%
CAS Number	118072-93-8
Chemical structure	

Properties

Chemical name	(1-Hydroxy-2-imidazol-1-yl-1-phosphonoethyl)phosphonic acid
Molecular weight	272.09
Molecular formula	C ₅ H ₁₀ N ₂ O ₇ P ₂
PubChem identifier	68740
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	C1=CN(C=N1)CC(O)P(=O)(O)OP(=O)(O)O
Source	Synthetic

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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