

MM 419447 Biochemical | MM419447 biochemical

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CATALOG #
AAA227453

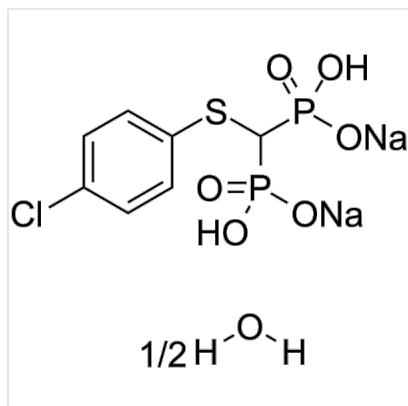
PRODUCT SYNONYMS

MM 419447; Tiludronic acid disodium/hemihydrate; MM419447 biochemical

PRODUCT SPECIFICATIONS

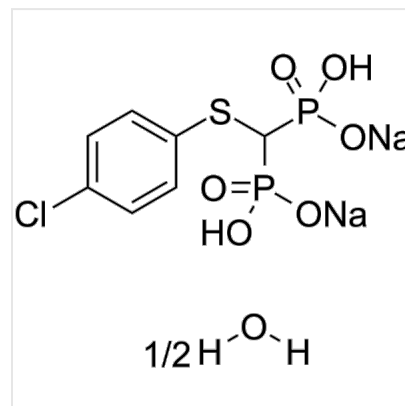
Purity/Purification	98%
CAS	1092457-78-7
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	MM 419447 (10 mg/kg; p.o.) treatment shows the C max, AUC 0-6 and t 1/2 values of 27 ng/mL, <= 29.7 ng h/mL and 0.33 hours, respectively[1]Animal Model: Female Sprague-Dawley rats[1]. Dosage: 10 mg/kg. Administration: P.o. (Pharmacokinetic Analysis). Result: The C max, AUC 0-6 and T max were 27 ng/mL, <= 29.7 ng h/mL and 0.33 hours, respectively.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Tiludronate disodium/hemihydrate, CAS 155453-10-4



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Tiludronate disodium/hemihydrate, CAS 155453-10-4

ADDITIONAL INFORMATION

Related Product Information for MM419447 biochemical	MM 419447, a linacotide metabolite, is a guanylate cyclase-C agonist. MM 419447 has the potential for the research of the irritable bowel syndrome with constipation (IBS-C).
References	1. Reginster JY, et al. Prevention of postmenopausal bone loss by tiludronate. Lancet. 1989;2(8678-8679):1469-1471. 2. Nunes NLT, et al. Effects of local administration of tiludronic acid on experimental periodontitis in diabetic rats. J Periodontol. 2018;89(1):105-116. 3. Bonjour JP, et al. Tiludronate: bone pharmacology and safety. Bone. 1995;17(5 Suppl):473S-477S. 4. David P, et al. The bisphosphonate tiludronate is a potent inhibitor of the osteoclast vacuolar H(+)-ATPase. J Bone Miner Res. 1996;11(10):1498-1507.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mm419447-biochemical/mm-419447/227453>