

Tiludronate disodium/hemihydrate Biochemical

Tiludronate disodium/hemihydrate

CATALOG #
AAA227793

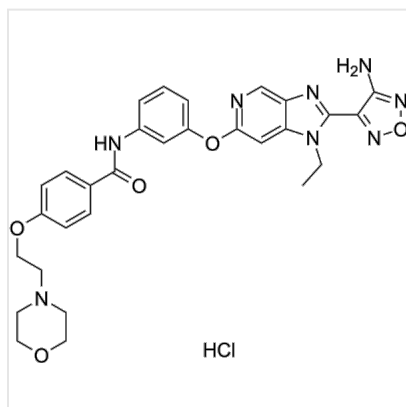
PRODUCT SYNONYMS

Tiludronate disodium/hemihydrate; GSK 269962 hydrochloride; Tiludronate disodium/hemihydrate biochemical

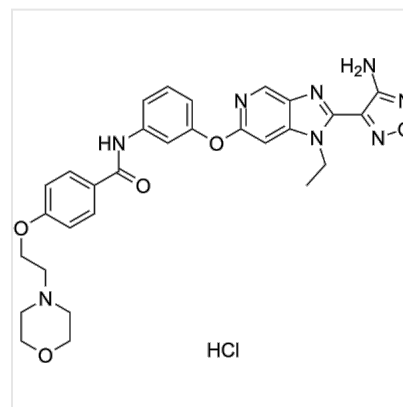
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	155453-10-4
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Tiludronate exerts a dose-dependent inhibitory activity on bone resorption. Tiludronate could act on mature osteoclasts by reducing their capacity to secrete proton into the resorption space and also by favoring their detachment from the bone matrix. Tiludronate is also tested in other models of osteoporosis. In the castrated male rat model, Tiludronate (5-200 mg/kg; p.o.) prevents the decrease in the skeletal mass, assessed physically by measuring the bone weight and density or chemically by determining the calcium and phosphate content[3].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
GSK269962A hydrochloride, CAS 2095432-71-4



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GSK269962A hydrochloride, CAS 2095432-71-4

ADDITIONAL INFORMATION

Related Product Information for Tiludronate disodium/hemihydrate biochemical	Tiludronate (Tiludronic Acid) disodium/hemihydrate, an orally active bisphosphonate, can act an osteoregulator. Tiludronate disodium/hemihydrate is used for the research of the metabolic bone disorders. Tiludronate disodium/hemihydrate is a potent inhibitor of the osteoclast vacuolar H ⁺ -ATPase. Antiresorptive and anti-inflammatory properties[4].
References	1. Doe C, et al. Novel Rho kinase inhibitors with anti-inflammatory and vasodilatory activities. J Pharmacol Exp Ther. 2007 Jan;320(1):89-98.

NCBI AND UNIPROT INFORMATION

Molecular Weight	607.07
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/biochemical/tiludronate-disodium-hemihydrate/227793>