

Product Data Sheet

Product Name: Teriparatide-d 10

Cat. No.: GC80861

Chemical Properties

Cas. No.

Formula $C_{181}H_{291}N_{55}O_{51}S_2$

M.Wt 4117.77

Solubility

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

SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF-d 10

Background

Teriparatide -d 10 (Human parathyroid hormone-(1-34)-d 10) is the deuterium labeled Teriparatide. Teriparatide (Human parathyroid hormone-(1-34)) is a PTH1 receptor agonist. Teriparatide (Human parathyroid hormone-(1-34)) can be used for osteoporosis research [1].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

References:

[1]. Iwamoto J, et, al. Influence of Teriparatide and Ibandronate on Cortical Bone in New Zealand White Rabbits: A HR-QCT Study. Calcif Tissue Int. 2016.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA