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**Product Data Sheet**

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Product Name: Calcitonin (human)

Cat. No.: GC50320

**Chemical Properties**

Cas. No. 21215-62-3

Formula  $C_{151}H_{226}N_{40}O_{45}S_3$ 

M.Wt 3417.87

Solubility DMSO :  $\geq 50$  mg/mL (14.63 mM); H<sub>2</sub>O : 2 mg/mL (0.59 mM; Need ultrasonic)

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**

Endogenous calcitonin receptor agonist. Lowers systemic blood calcium levels and inhibits bone resorption.

Foster (1968) Calcitonin. A review of experimental and clinical investigations.

Postgrad.Med.J. 44 411 PMID:4871775 |Bower and Hay (2016) Amylin structure-function relationships and receptor pharmacology: implications for amylin mimetic drug

development. Br.J.Pharmacol. 173 1883 PMID:27061187 |Lee et al (2016) Calcitonin and amylin receptor peptide interaction mechanisms. J.Biol.Chem. 291 16416

PMID:27474777

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

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