



>>Entry Name: Teriparatide, INN, USAN

Synonym(s): 1-34 Parathormone (human). Human PTH (1-34). LY 333334

CAS Registry Number: 52232-67-4

Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asp-Leu-Gly-Lys-His-Leu-Asp-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asp-Phe

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

Molecular Weight: 4117.76

Accurate Mass: 4115.13095

Percentage Composition: C 52.80%; H 7.12%; N 18.71%; O 19.82%; S 1.56%

Use/Importance: Parathyroid hormone; hypercalcaemic agent. Used in the treatment of osteoporosis. Diagnostic aid for pseudohypoparathyroidism

Sigma: P3796

>>Derivative: Acetate salt (1:5)

Synonym(s): Teriparatide acetate, JAN, USAN. Parathar

CAS Registry Number: 99294-94-7

References:

Milhaud, G. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. D*, 1974, **279**, 1015, (*synth, pharmacol*)

Bundi, A. *et al.*, *FEBS Lett.*, 1976, **64**, 126, (*pmr, conformn*)

Raulais, D.J.P. *et al.*, *J. Chem. Res., Synop.*, 1978, 11, (*synth*)

Kimura, T. *et al.*, *Biopolymers*, 1981, **20**, 1823, (*synth*)

Mallette, L.E., *Ann. Intern. Med.*, 1988, **109**, 800, (*use*)

Riggs, B.L., *Am. J. Med.*, 1993, **95**, 625-685, (*rev*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 661

Daugaard, H. *et al.*, *Endocrinology (Baltimore)*, 1994, **134**, 1373-1381, (*metab*)

Fraher, L.J. *et al.*, *J. Clin. Endocrinol. Metab.*, 1995, **80**, 60-64, (*pharmacokinet*)