



>>Entry Name: Osteostatin

Synonym(s): Threonylarginylserylalanyltryptophan, 9Cl. Human parathyroid hormone-related protein (107-111). PTHrP [107-111]

CAS Registry Number: 138949-73-2

H-Thr-Arg-Ser-Ala-Trp-OH

Molecular Formula: C₂₇H₄₁N₉O₈

Molecular Weight: 619.676

Accurate Mass: 619.307811

Percentage Composition: C 52.33%; H 6.67%; N 20.34%; O 20.66%

Biological Use/Importance: Potent inhibitor of osteoblastic bone resorption. Possible use in the treatment of osteoporosis

References:

Fenton, A.J. *et al.*, *Endocrinology (Baltimore)*, 1991, **129**, 3424-3426, (*activity*)

Pat. Coop. Treaty (WIPO), 1992, *Genentech*, 92 10 511; *CA*, **118**, 117536a, (*use*)

Martinez, M.E. *et al.*, *J. Bone Min. Res.*, 1997, **12**, 778-785, (*activity*)

Cuthbertson, R.M. *et al.*, *Biochim. Biophys. Acta*, 1999, **1432**, 64-72, (*struct*)