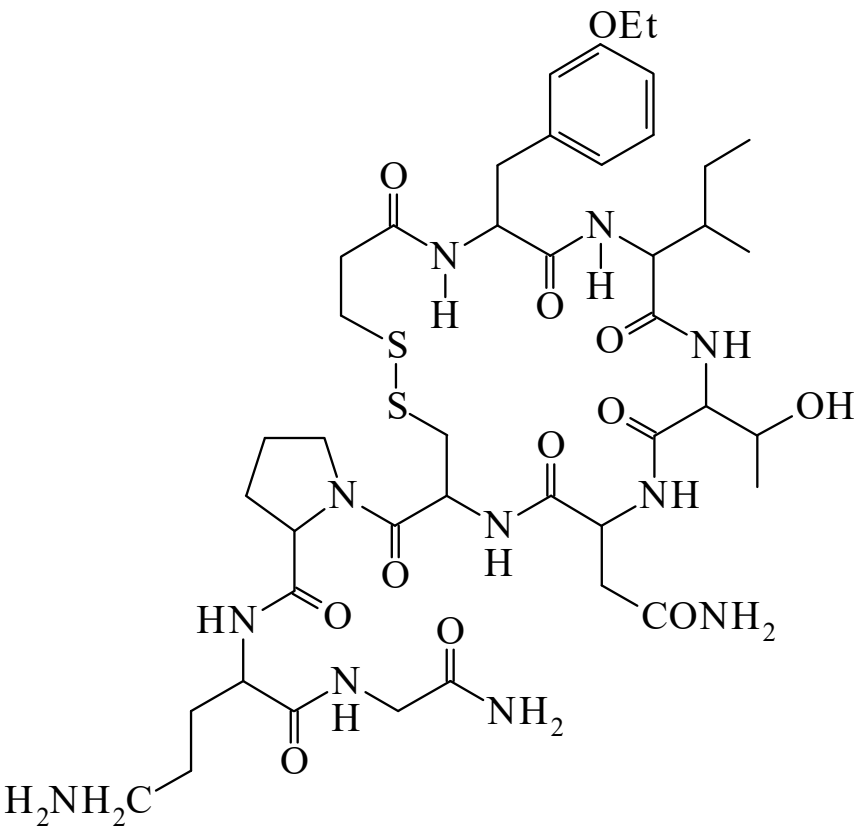
>>**Entry Name: Atosiban,** INN, USAN

Synonym(s): 1-(3-Mercaptopropanoic acid)-2-(*O*-ethyl-D-tyrosine)-4-L-threonine-8-L-ornithineoxytocin, 9CI. ORF 22164. RWJ 22164



CAS Registry Number: 90779-69-4

Molecular Formula: $C_{43}H_{67}N_{11}O_{12}S_2$
Molecular Weight: 994.201
Accurate Mass: 993.441209
Percentage Composition: C 51.95%; H 6.79%; N 15.50%; O 19.31%; S 6.45%
Use/Importance: Inhibits posterior pituitary hormones oxytocin and vasopressin *in vitro*. Inhibits uterine contractions
Physical Description: No phys. props. reported

References:

Eur. Pat., 1984, *Ferring AB*, 112 809; *CA*, **101**, 171764k, *(synth, pharmacol)*
Melin, P. *et al.*, *J. Endocrinol.*, 1986, **111**, 125, *(pharmacol)*
Burinsky, D.J. *et al.*, *J. Pharm. Sci.*, 1992, **81**, 597, *(ms)*
Lundin, S. *et al.*, *J. Pharmacol. Exp. Ther.*, 1993, **264**, 783, *(pharmacol, metab)*