



>>Entry Name: **Demoxytocin**, INN

Synonym(s): 1-(3-Mercaptopropanoic acid)oxytocin, 9Cl. Deaminooxytocin. Sandopart. Desaminooxytocin. ODA 914. Odeax. Sandopral

CAS Registry Number: 113-78-0

Molecular Formula: C₄₃H₆₅N₁₁O₁₂S₂

Molecular Weight: 992.185

Accurate Mass: 991.425559

Percentage Composition: C 52.05%; H 6.60%; N 15.53%; O 19.35%; S 6.46%

Use/Importance: Analogue of Oxytocin [BDR44-A](#), possessing high activity

Sigma: O2886

References:

duVigneaud, V. *et al.*, *J. Biol. Chem.*, 1960, **235**, 64, (*synth*)

Berde, B., *Adv. Exp. Med. Biol.*, 1968, **2**, 53; 101, (*synth*)

Takashima, H. *et al.*, *J.A.C.S.*, 1968, **90**, 1323, (*synth*)

Flouret, G. *et al.*, *J. Med. Chem.*, 1971, **14**, 556, (*synth*)

Lebl, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1982, **47**, 2540, (*biol activity*)

Wood, S.P. *et al.*, *Science (Washington, D.C.)*, 1986, **232**, 633, (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 951