



>>Entry Name: **Deslorelin**, BAN, INN, USAN

Synonym(s): Somagard

CAS Registry Number: 57773-65-6

H-5-OxoPro-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-NHEt

Molecular Formula: $C_{64}H_{83}N_{17}O_{12}$

Molecular Weight: 1282.466

Accurate Mass: 1281.640713

Percentage Composition: C 59.94%; H 6.52%; N 18.57%; O 14.97%

General Statement: Gonadorelin analogue

Use/Importance: Gonadotropin-releasing hormone agonist; used for treatment of prostate cancer and endometriosis. Used to treat growth-problems in LHRH-dependent precocious puberty

Optical Rotation: $[\alpha]_D^{24} -61$ (c, 0.37 in 0.1M AcOH)

Sigma: L5386

References:

- Coy, D.H. *et al.*, *J. Med. Chem.*, 1976, **19**, 423, (*synth, activity*)
Rivier, C. *et al.*, *Life Sci.*, 1979, **25**, 1065; 1981, **28**, 83, (*pharmacol*)
Kornreich, W. *et al.*, *Int. J. Pept. Protein Res.*, 1985, **25**, 414, (*synth*)
Lacoste, D. *et al.*, *Am. J. Physiol.*, 1990, **258**, E468, (*pharmacol*)
Candas, B. *et al.*, *J. Clin. Endocrinol. Metab.*, 1990, **70**, 1046, (*metab*)
Oerter, K.E. *et al.*, *J. Clin. Endocrinol. Metab.*, 1991, **73**, 1235, (*use*)
Municchi, G. *et al.*, *J. Clin. Endocrinol. Metab.*, 1993, **77**, 1334, (*use*)
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