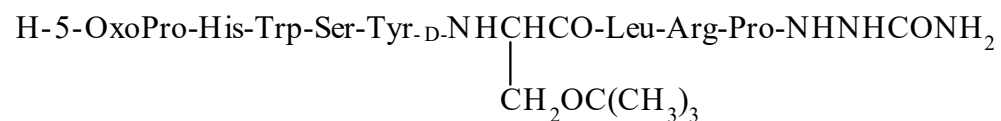




>>Entry Name: Goserelin, BAN, INN, USAN

Synonym(s): 6-[O-(1,1-Dimethylethyl)-D-serine]-10-deglycinamideluteinizing hormone releasing factor (pig), 2-(aminocarbonyl)hydrazide, 9Cl. Prozoladex. Zoladex. ICI 118630



CAS Registry Number: 65807-02-5

Related CAS Registry Numbers(s): 70280-59-0

Molecular Formula: C₅₉H₈₄N₁₈O₁₄

Molecular Weight: 1269.425

Accurate Mass: 1268.641442

Percentage Composition: C 55.82%; H 6.67%; N 19.86%; O 17.65%

Biological Use/Importance: Antineoplastic agent (LHRH agonist). Used in the treatment of breast and prostate cancer and in the management of endometriosis

Physical Description: No phys. props. reported

Development Status: Marketed drug. Launched 1987. Worldwide 63rd best selling prescription drug (as acetate salt) (\$0.73 bn) (AstraZeneca) (2000, Pharma Business)

>>Derivative: Acetate salt

Synonym(s): Goserelin acetate

CAS Registry Number: 145781-92-6

References:

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Nicholson, R.I. *et al.*, *Br. J. Cancer*, 1979, **39**, 268, (*pharmacol*)
Lamberts, S.W.J. *et al.*, *Endocrinology (Baltimore)*, 1981, **108**, 1878, (*pharmacol*)
Chrisp, P. *et al.*, *Drugs*, 1991, **41**, 254, (*rev*)
Perry, C.M. *et al.*, *Drugs*, 1996, **51**, 319, (*rev, pharmacokinet*)
Kava, B.R. *et al.*, *Mol. Urol.*, 1997, **1**, 29-37, (*goserelin acetate*)
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