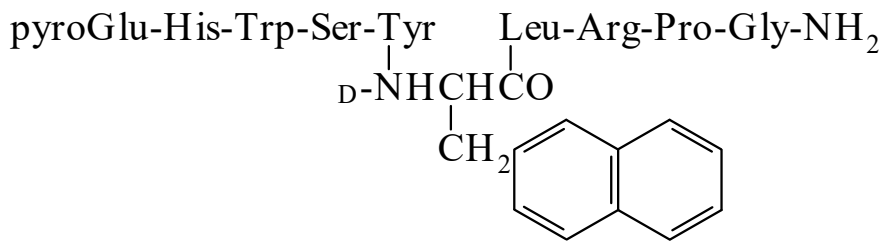
>>**Entry Name: Nafarelin,** BAN, INN
Synonym(s): 6-[3-(2-Naphthalenyl)-D-alanine]luteinizing hormone releasing factor, 9CI



CAS Registry Number: 76932-56-4
Related CAS Registry Numbers(s): 76932-60-0

Molecular Formula: $C_{66}H_{83}N_{17}O_{13}$
Molecular Weight: 1322.488
Accurate Mass: 1321.635628
Percentage Composition: C 59.94%; H 6.33%; N 18.00%; O 15.73%
Use/Importance: Gonadorelin analogue. LHRH agonist. Used in the treatment of endometriosis; contraceptive

>>**Derivative:** Acetate
Synonym(s): Nafarelin acetate, USAN**.** Synarel. RS 94991-298

CAS Registry Number: 86220-42-0
Development Status: Launched 1990
Melting Point: Mp 188-190°
Optical Rotation: $[\alpha]_D^{25}$ –27.4 (c, 0.9 in AcOH)

References:

Nestor, J.J. *et al.*, *J. Med. Chem.*, 1982, **25**, 795, *(synth, pharmacol)*
Chan, R.L. *et al.*, *Drug Metab. Dispos.*, 1985, **13**, 566, *(metab)*
Nilius, S.J. *et al.*, *J. Steroid Biochem.*, 1985, **23**, 779; 849, *(revs)*
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