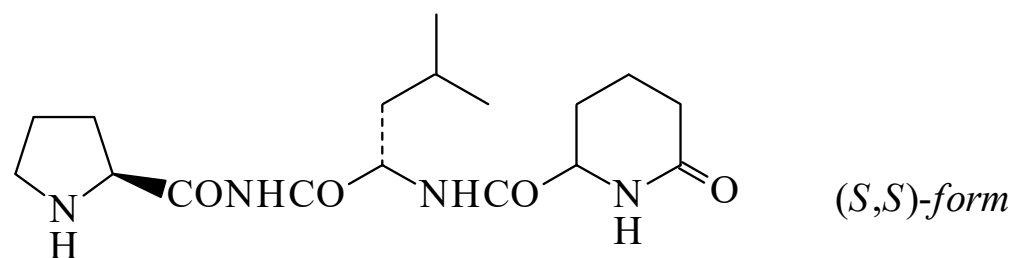




>>Entry Name: Posatirelin, INN

Synonym(s): *N*-[(6-Oxo-2-piperidiny)carbonyl]leucylprolinamide, 9Cl. Pyladox. P 3025. RGH 2202



Related CAS Registry Numbers(s): 114181-49-6

Molecular Formula: C₁₇H₂₈N₄O₄

Molecular Weight: 352.433

Accurate Mass: 352.211056

Percentage Composition: C 57.94%; H 8.01%; N 15.90%; O 18.16%

Use/Importance: Thyrotropin-releasing hormone analogue. Anorectic. CNS stimulant

Calculated Log P Data: Log P 0.12 (uncertain value) (calc)

>>Variant: (*S,S*)-form

CAS Registry Number: 78664-73-0

Molecular Formula: C₁₇H₂₈N₄O₄

Molecular Weight: 352.433

Accurate Mass: 352.211056

Percentage Composition: C 57.94%; H 8.01%; N 15.90%; O 18.16%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 214-216°

Optical Rotation: [α]_D²⁵ -80.2 (c, 1 in AcOH)

Hazard & Toxicity: LD₅₀ (rat, ipr) 3000 mg/kg. LD₅₀ (rat, ivn) 1140 mg/kg

References:

Szirtes, T. *et al.*, *J. Med. Chem.*, 1986, **29**, 1654, (*synth, pharmacol*)

Sarkadi, A. *et al.*, *Arzneim.-Forsch.*, 1988, **38**, 1134, (*pharmacol*)

Nógrádi, M., *Drugs of the Future*, 1988, **13**, 420

Oka, M. *et al.*, *Arzneim.-Forsch.*, 1989, **39**, 297, (*pharmacol*)