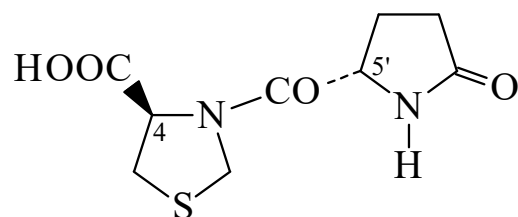




>>Entry Name: Pidotimod, INN

Synonym(s): 3-[(5-Oxo-2-pyrrolidinyl)carbonyl]-4-thiazolidinecarboxylic acid, 9Cl. 3-(5-Oxopropyl)-4-thiazolidinecarboxylic acid. Axil. Onaka. Pigitol. Polimod. PGT/1A



Related CAS Registry Numbers(s): 117241-40-4

Molecular Formula: C₉H₁₂N₂O₄S

Molecular Weight: 244.271

Accurate Mass: 244.051778

Percentage Composition: C 44.25%; H 4.95%; N 11.47%; O 26.20%; S 13.13%

Use/Importance: Immunomodulator inducing activation of T-lymphocytes and stimulation of granulocytes and macrophages. Investigated for treatment of recurrent respiratory infections

Development Status: Launched 1993 (Italy)

Calculated Log P Data: Log P -0.34 (uncertain value) (calc)

>>Variant: (4R,5'S)-form

Synonym(s): L-L-form

CAS Registry Number: 121808-62-6

Molecular Formula: C₉H₁₂N₂O₄S

Molecular Weight: 244.271

Accurate Mass: 244.051778

Percentage Composition: C 44.25%; H 4.95%; N 11.47%; O 26.20%; S 13.13%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 192-194°

Optical Rotation: $[\alpha]_D^{25} -150$ (c, 2 in 5M HCl)

Other Data: Incorr. descr. as the (S,S)-form in the crystallographic paper

References:

- Eur. Pat.*, 1988, *Poli Ind Chim*, 276 752; *CA*, **109**, 190876e, (*synth, pharmacol*)
Coppi, G. *et al.*, *J. Chromatogr.*, 1991, **563**, 385, (*hplc*)
Migliorati, G. *et al.*, *Immunopharmacol. Immunotoxicol.*, 1992, **14**, 737, (*pharmacol*)
Pugliese, A. *et al.*, *Int. J. Immunother.*, 1992, **8**, 212
Dal Bo, L. *et al.*, *Boll. Chim. Farm.*, 1993, **132**, 126, (*hplc*)
Arzneim.-Forsch., 1994, **44**, 1399, (*numerous papers*)
Chiarenza, A. *et al.*, *Pharmacol. Toxicol.*, 1994, **74**, 262, (*pharmacol*)
Ayala, D.J. *et al.*, *Acta Cryst. C*, 1995, **51**, 473, (*cryst struct*)