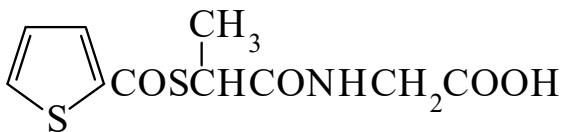




>>Entry Name: Stepronin, INN

Synonym(s): *N*-[1-Oxo-2-[(2-thienylcarbonyl)thio]propyl]glycine, gcl. 2-(2-Thenoylthio)propionylglycine. Bronco-plus. Prostenoglycine. Tenoglicine. Thiase. Tiase. Tiofacic. Valase. TTPG



CAS Registry Number: 72324-18-6

Related CAS Registry Numbers(s): 78126-10-0 81795-81-5

Molecular Formula: C₁₀H₁₁NO₄S₂

Molecular Weight: 273.333

Accurate Mass: 273.012949

Percentage Composition: C 43.94%; H 4.06%; N 5.12%; O 23.41%; S 23.46%

Use/Importance: Mucolytic, immunosuppressant agent

Calculated Log P Data: Log P 1.13 (uncertain value) (calc)

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

>>Variant: (±)-form

Molecular Formula: C₁₀H₁₁NO₄S₂

Molecular Weight: 273.333

Accurate Mass: 273.012949

Percentage Composition: C 43.94%; H 4.06%; N 5.12%; O 23.41%; S 23.46%

Physical Description: Cryst. (MeCN)

Melting Point: Mp 168-170°

References:

U.S. Pat., 1980, *Mediolanum Farm*, 4 242 354; *CA*, **94**, 175556

Zanolo, G. *et al.*, *Boll. Chim. Farm.*, 1981, **120**, 55, (*hplc, metab*)

Davis, S.S. *et al.*, *Eur. J. Respir. Dis.*, 1985, **67**, 94, (*pharmacol*)

Marzo, A. *et al.*, *J. Chromatogr.*, 1991, **536**, 327, (*hplc*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 752

de Giorgi, L. *et al.*, *Transplant. Proc.*, 1994, **26**, 3513, (*pharmacol*)