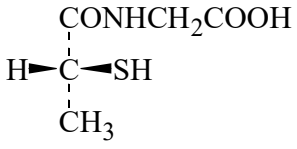
>>**Entry Name: Tiopronin,** INN, JAN
Synonym(s): *N*-(2-Mercapto-1-oxopropyl)glycine, 9CI. *N*-(2-Mercaptopropionyl)glycine, 8CI. 2-[(2-Mercaptopropanoyl)amino]acetic acid. Acadione. Captimer. Epatiol. Mercamidum. Mucolysin. Sutilan. Thiopronin. Thiosol. Tioglis. SF 572. Capen. Thiola. Many other names



(*R*)-*form*

CAS Registry Number: 1953-02-2
Related CAS Registry Numbers(s): 3625-85-2

Molecular Formula: $C_5H_9NO_3S$
Molecular Weight: 163.197
Accurate Mass: 163.030314
Percentage Composition: C 36.80%; H 5.56%; N 8.58%; O 29.41%; S 19.65%
Use/Importance: Used to treat cystinuria. Radioprotective agent and an antidote for heavy metal poisoning. Also used for treatment of rheumatoid arthritis. Props. similar to those of D-penicillamine
Development Status: Launched 1989
Calculated Log P Data: Log P –0.26 (calc)
Hazard & Toxicity: LD_{50} (rat, orl) 1300 mg/kg. LD_{50} (rat, ipr) 1400 mg/kg. Exp. reprod. effects. Adverse effects are common when used therapeutically and incl. skin and mucous membrane disorders, haematological, liver and kidney effects

Aldrich: 28096-8
Fluka: 63794
Sigma: M6635

>>**Variant:** (*R*)-form
Synonym(s): Dextiooproninn, INN

CAS Registry Number: 29335-92-0

Molecular Formula: $C_5H_9NO_3S$
Molecular Weight: 163.197
Accurate Mass: 163.030314
Percentage Composition: C 36.80%; H 5.56%; N 8.58%; O 29.41%; S 19.65%
Biological Use/Importance: Antiinflammatory agent

>>**Variant:** (±)-form

CAS Registry Number: 33068-82-5
Molecular Formula: $C_5H_9NO_3S$
Molecular Weight: 163.197
Accurate Mass: 163.030314
Percentage Composition: C 36.80%; H 5.56%; N 8.58%; O 29.41%; S 19.65%
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 95-97°
Other Data: Has been resolved but most data refers to the racemate
Other: PB: M03910

References:

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