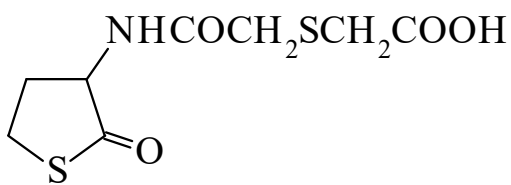




>>Entry Name: Erdosteine, INN

Synonym(s): [[2-Oxo-2-[(tetrahydro-2-oxo-3-thienyl)amino]ethyl]thio]acetic acid, 9Cl. Dithiosteine. Edirel. Vectrine. RV144



CAS Registry Number: 84611-23-4

Related CAS Registry Numbers(s): 84611-24-5 84611-25-6 84611-37-0

Molecular Formula: C<sub>8</sub>H<sub>11</sub>NO<sub>4</sub>S<sub>2</sub>

Molecular Weight: 249.311

Accurate Mass: 249.012949

Percentage Composition: C 38.54%; H 4.45%; N 5.62%; O 25.67%; S 25.72%

Use/Importance: Bronchodilator. Mucolytic. Shows protective effect against cigarette smoke-induced oxidative lung damage

Development Status: Launched 1995 (France)

Calculated Log P Data: Log P -0.68 (uncertain value) (calc)

Hazard & Toxicity: LD<sub>50</sub> (mus, ivn) >3500 mg/kg

>>Variant: (±)-form

CAS Registry Number: 105426-14-0

Molecular Formula: C<sub>8</sub>H<sub>11</sub>NO<sub>4</sub>S<sub>2</sub>

Molecular Weight: 249.311

Accurate Mass: 249.012949

Percentage Composition: C 38.54%; H 4.45%; N 5.62%; O 25.67%; S 25.72%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 156-158°

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