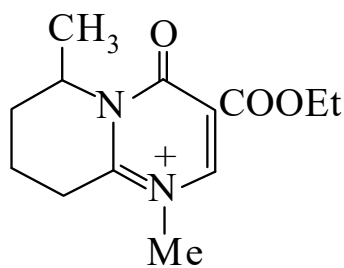




>>Entry Name: Rimazolium(1+)

**Synonym(s):** 3-(Ethoxycarbonyl)-6,7,8,9-tetrahydro-1,6-dimethyl-4-oxo-4*H*-pyrido[1,2-*a*]pyrimidinium, 9Cl. Rymazolium. Dolcuran. Probon. Probonal. Rimagin. Temadin. MZ 144. Ro 11-0780



**CAS Registry Number:** 35615-72-6

**Molecular Formula:** C<sub>13</sub>H<sub>19</sub>N<sub>2</sub>O<sub>3</sub><sup>(+)</sup>

**Molecular Weight:** 251.305

**Accurate Mass:** 251.139568

**Percentage Composition:** C 62.13%; H 7.62%; N 11.15%; O 19.10%

**Calculated Log P Data:** Log P -2.84 (uncertain value) (calc)

>>Variant: (±)-form

**Molecular Formula:** C<sub>13</sub>H<sub>19</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 251.305

**Accurate Mass:** 251.139568

**Percentage Composition:** C 62.13%; H 7.62%; N 11.15%; O 19.10%

>>Derivative: Methylsulfate

**Synonym(s):** Rimazolium metilsulfate, INN

**CAS Registry Number:** 28610-84-6

**Molecular Formula:** C<sub>14</sub>H<sub>22</sub>N<sub>2</sub>O<sub>7</sub>S

**Molecular Weight:** 362.403

**Accurate Mass:** 362.114773

**Percentage Composition:** C 46.40%; H 6.12%; N 7.73%; O 30.90%; S 8.85%

**Use/Importance:** Analgesic, antiinflammatory, gastroprotective agent

**Physical Description:** Cryst.

**Melting Point:** Mp 165-166°

**Hazard & Toxicity:** LD<sub>50</sub> (rat, orl) 1500 mg/kg. LD<sub>50</sub> (rat, ivn) 217 mg/kg

**References:**

Knoll, J. *et al.*, *Arzneim.-Forsch.*, 1971, **21**, 719, (*pharmacol, tox*)

Meszaros, Z. *et al.*, *Arzneim.-Forsch.*, 1972, **22**, 815, (*synth, pmr, ms*)

Simon, K. *et al.*, *Acta Cryst. B*, 1975, **31**, 1695, (*cryst struct*)

Szasz, Gy. *et al.*, *J. Chromatogr.*, 1976, **117**, 345, (*tlc*)

Toth, G. *et al.*, *J.C.S. Perkin 2*, 1986, 1911, (*N-15 nmr*)

Furst, S. *et al.*, *Arzneim.-Forsch.*, 1988, **38**, 552, (*pharmacol*)

Gyires, K. *et al.*, *Acta Physiol. Acad. Sci. Hung.*, 1989, **73**, 149

*Martindale, The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 32

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, PMD825