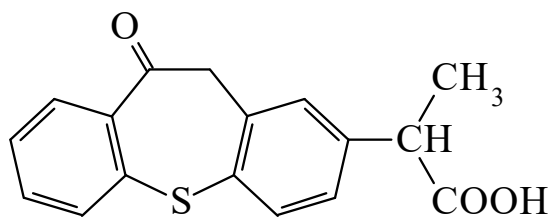




>>Entry Name: Zaltoprofen, INN

Synonym(s): 10,11-Dihydro- α -methyl-10-oxodibenzo[*b,f*]thiepin-2-acetic acid, 9Cl. **Peon₊**. Soreton. Zaxoprofen. CN 100. ZC 102



CAS Registry Number: 74711-43-6

Related CAS Registry Numbers(s): 89482-01-9 89482-03-1

Molecular Formula: C₁₇H₁₄O₃S

Molecular Weight: 298.362

Accurate Mass: 298.066365

Percentage Composition: C 68.44%; H 4.73%; O 16.09%; S 10.75%

Use/Importance: Analgesic, nonsteroidal antiinflammatory agent

Development Status: Launched 1993 (Japan)

Calculated Log P Data: Log P 3.7 (uncertain value) (calc)

Other Data: Enantiomers known, (*S*)-form responsible for pharmacol. activity

Hazard & Toxicity: LD₅₀ (rat, orl) 425 mg/kg. LD₅₀ (rat, ipr) 217 mg/kg. Exp. fetotoxic and reprod. effects

>>Variant: ($\pm$)-form

CAS Registry Number: 89482-00-8

Molecular Formula: C₁₇H₁₄O₃S

Molecular Weight: 298.362

Accurate Mass: 298.066365

Percentage Composition: C 68.44%; H 4.73%; O 16.09%; S 10.75%

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 130.5-131.5°

References:

Ger. Pat., 1980, *Nippon Chemiphar*, 2 941 869; *CA*, **93**, 220610j, (*synth, ir, pmr*)

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Tsurumi, K. *et al.*, *Arzneim.-Forsch.*, 1986, **36**, 1796; 1806; 1810; 1818, (*pharmacol*)

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Oshima, J. *et al.*, *J. Chromatogr.*, 1987, **414**, 381

Yamamoto, M. *et al.*, *Chirality*, 1990, **2**, 280, (*resoln*)

Ito, A., *Res. Commun. Chem. Pathol. Pharmacol.*, 1990, **70**, 131, (*pharmacol*)