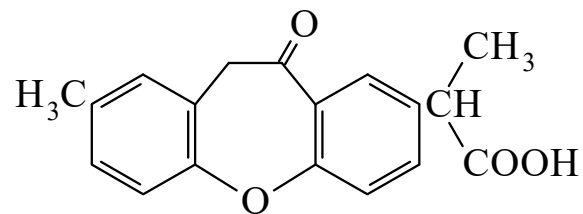




>>Entry Name: **Bermoprofen**, INN

Synonym(s): 10,11-Dihydro- α ,8-dimethyl-11-oxodibenz[*b,f*]oxepin-2-acetic acid, 9CI. Dibenon. AD 1590



CAS Registry Number: 78499-27-1

Related CAS Registry Numbers(s): 100509-04-4

Molecular Formula: C₁₈H₁₆O₄

Molecular Weight: 296.322

Accurate Mass: 296.10486

Percentage Composition: C 72.96%; H 5.44%; O 21.60%

Use/Importance: Antiinflammatory, antipyretic agent

Calculated Log P Data: Log P 3.96 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 147 mg/kg. LD₅₀ (rat, ipr) 391 mg/kg. Exp. reprod. effects

>>Variant: (±)-form

CAS Registry Number: 72619-34-2

Molecular Formula: C₁₈H₁₆O₄

Molecular Weight: 296.322

Accurate Mass: 296.10486

Percentage Composition: C 72.96%; H 5.44%; O 21.60%

Physical Description: Cryst. (toluene)

Melting Point: Mp 128-129°

References:

Nagai, Y. *et al.*, *J. Med. Chem.*, 1982, **25**, 1065, (*synth, pharmacol*)

Nakamura, H. *et al.*, *Arzneim.-Forsch.*, 1983, **33**, 1555, (*pharmacol*)

Yokoyama, Y. *et al.*, *J. Pharmacobio-Dyn.*, 1986, **9**, 417, (*pharmacol*)

Hino, K. *et al.*, *Chem. Pharm. Bull.*, 1988, **36**, 3462, (*metab*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 9

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DLI650