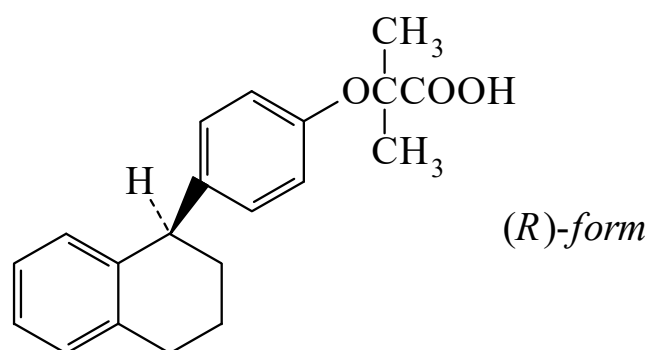




>>Entry Name: Nafenopin, BAN, INN, USAN

Synonym(s): 2-Methyl-2-[4-(1,2,3,4-tetrahydro-1-naphthalenyl)phenoxy]propanoic acid, 9CI. Melipan. Nafenoic acid. SU 13437



CAS Registry Number: 3771-19-5

Related CAS Registry Numbers(s): 32147-35-6 32147-37-8

Molecular Formula: $C_{20}H_{22}O_3$

Molecular Weight: 310.392

Accurate Mass: 310.156895

Percentage Composition: C 77.39%; H 7.14%; O 15.46%

Use/Importance: Antihyperlipidaemic agent

Development Status: Discontinued

Calculated Log P Data: Log P 5.07 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 900 mg/kg. A non-genotoxic, potent peroxisome proliferator with exp. carcinogenic props.

>>Variant: (R)-form

CAS Registry Number: 32147-36-7

Molecular Formula: $C_{20}H_{22}O_3$

Molecular Weight: 310.392

Accurate Mass: 310.156895

Percentage Composition: C 77.39%; H 7.14%; O 15.46%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 117-118°

Optical Rotation: $[\alpha]_D^{25} -27$ (c, 1.42 in MeOH)

References:

Bianchine, J.R. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1970, **11**, 97, (metab)

Bencze, W.L. *et al.*, *Tetrahedron*, 1970, **26**, 5407, (synth, config, ord)

IARC Monog., 1980, **24**, 125; *Suppl.* 7, 67, (rev, tox)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., *Pharmaceutical Press*, 1982, 1351

Gibson, G. *et al.*, *Peroxisomes: Biology and Importance in Toxicology and Medicine*, Taylor and Francis, London, 1993, (biochem)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, MCB500