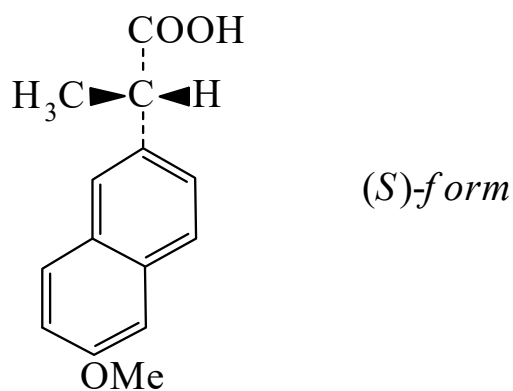




>>Entry Name: Naproxen, BAN, INN, JAN, USAN

Synonym(s): 6-Methoxy- α -methyl-2-naphthaleneacetic acid, 9CI, 8CI. 2-(6-Methoxy-2-naphthyl)propanoic acid. Aleve. Anaprox. Arthrosin. Arthroxen. Condrotec. Equiproxen. Laraflex. Methoxypropriocin. Napratec. Naprelan. Naprosyn. Nycopren. Pranoxen. Prosaid. Rheuflex. Many other names



CAS Registry Number: 23981-80-8

Related CAS Registry Numbers(s): 23979-41-1 70981-66-7

Molecular Formula: C₁₄H₁₄O₃

Molecular Weight: 230.263

Accurate Mass: 230.094295

Percentage Composition: C 73.03%; H 6.13%; O 20.84%

Biological Use/Importance: Antiinflammatory, analgesic, antipyretic. Used as derivatisation reagent for gc resolution of amino acid methyl esters

Development Status: Marketed drug

Experimental Log P Data: Log P 0.28 (pH 7.4) (exp)

Calculated Log P Data: Log P 2.82 (calc)

>>Variant: (S)-form

CAS Registry Number: 22204-53-1

Molecular Formula: C₁₄H₁₄O₃

Molecular Weight: 230.263

Accurate Mass: 230.094295

Percentage Composition: C 73.03%; H 6.13%; O 20.84%

Biological Source: Constit. of the rhizomes of *Musa acuminata colla*

Melting Point: Mp 155.3°

Optical Rotation: $[\alpha]_D +65.5$ (c, 1 in CHCl₃)

UV: [neutral] λ_{max} 268 (); 303 (); 315 (); 371 (); 378 () (EtOH)

Hazard & Toxicity: Human reprod. and teratogenic effects reported. Most common adverse effects are gastrointestinal. LD₅₀ (rat, orl) 338 mg/kg

Aldrich: 28478-5

Fluka: 65126

Sigma: M4015

>>Derivative: Na salt

Synonym(s): Naproxen sodium, USAN

CAS Registry Number: 26159-34-2

Hazard & Toxicity: Exp. reprod. effects

Sigma: M1275

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

CAS Registry Number: 26159-31-9

Molecular Formula: C₁₄H₁₄O₃

Molecular Weight: 230.263

Accurate Mass: 230.094295

Percentage Composition: C 73.03%; H 6.13%; O 20.84%

Physical Description: Cryst. (toluene)

Melting Point: Mp 152-154° (150-151°)

>>Derivative: Nitrile