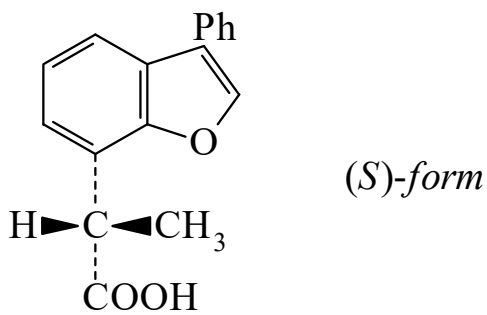




>>Entry Name: Furaprofen, INN, USAN

Synonym(s): α -Methyl-3-phenyl-7-benzofuranacetic acid, 9Cl. 2-(3-Phenyl-7-benzofuranyl)propionic acid. Enprofen. R 803



Related CAS Registry Numbers(s): 58371-31-6

Molecular Formula: C₁₇H₁₄O₃

Molecular Weight: 266.296

Accurate Mass: 266.094295

Percentage Composition: C 76.68%; H 5.30%; O 18.02%

Use/Importance: Antiinflammatory agent

Calculated Log P Data: Log P 4.17 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 950 mg/kg

>>Variant: (S)-form

CAS Registry Number: 42435-29-0

Molecular Formula: C₁₇H₁₄O₃

Molecular Weight: 266.296

Accurate Mass: 266.094295

Percentage Composition: C 76.68%; H 5.30%; O 18.02%

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 157-162°

Optical Rotation: $[\alpha]_D^{23} +58$ (CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 67700-30-5

Molecular Formula: C₁₇H₁₄O₃

Molecular Weight: 266.296

Accurate Mass: 266.094295

Percentage Composition: C 76.68%; H 5.30%; O 18.02%

Physical Description: Cryst. (hexane/C₆H₆)

Melting Point: Mp 167.5-168.5°

References:

U.S. Pat., 1975, Riker, 3 920 828; CA, **84**, 89985e, (synth)

Rainsford, K.D., Agents Actions, 1977, **7**, 573, (pharmacol)