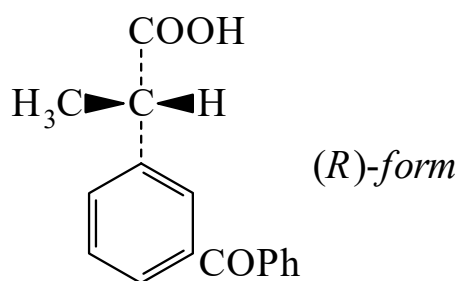




>>Entry Name: Ketoprofen, BAN, INN, JAN, USAN

Synonym(s): 3-Benzoyl- α -methylbenzeneacetic acid, 9CI. *m*-Benzoylhydratropic acid, 8CI. 2-(3-Benzoylphenyl)propanoic acid. Alrheumat. Orudis. Oruvail. Alrheumun. Many other names



CAS Registry Number: 22071-15-4

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Use/Importance: Antiinflammatory, analgesic

Calculated Log P Data: Log P 2.76 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 62.4 mg/kg. Exp. reprod. and teratogenic effects

Sigma: K4633

>>Variant: (*R*)-form

CAS Registry Number: 56105-81-8

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Physical Description: Solid

Melting Point: Mp 69-70°

Optical Rotation: [α]_D -47.7 (c, 0.88 in CH₂Cl₂) (95% op)

>>Variant: (*S*)-form

Synonym(s): Dexketoprofen, INN

CAS Registry Number: 22161-81-5

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 69-69.5°. Mp 118°

Optical Rotation: [α]_D +48.8 (c, 0.76 in CH₂Cl₂) (97% op)

Other Data: Pharmacol. active isomer

Aldrich: 47190-9

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

CAS Registry Number: 22161-86-0

Molecular Formula: C₁₆H₁₄O₃

Molecular Weight: 254.285

Accurate Mass: 254.094295

Percentage Composition: C 75.58%; H 5.55%; O 18.88%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 94°

References: