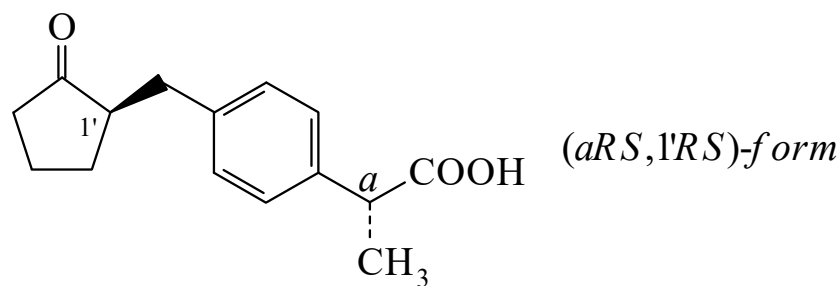




>>Entry Name: **Loxoprofen**, INN

Synonym(s): α -Methyl-4-[(2-oxocyclopentyl)methyl]benzeneacetic acid, 9CI. *p*-[(2-Oxocyclopentyl)methyl]hydratropic acid. CS 600



CAS Registry Number: 68767-14-6

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Biological Use/Importance: Analgesic, antiinflammatory agent

Development Status: Launched 1987. Marketed in Japan only

Calculated Log P Data: Log P 1.82 (calc)

>>Variant: (α RS,1'RS)-form

CAS Registry Number: 87828-35-1

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Melting Point: Mp 102°

Other Data: Pharmacol. active diastereoisomer

>>Variant: (α RS,1'SR)-form

CAS Registry Number: 87828-34-0

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Melting Point: Mp 114°

>>Variant: (α ξ ,1' ξ)-form

Molecular Formula: C₁₅H₁₈O₃

Molecular Weight: 246.305

Accurate Mass: 246.125595

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Physical Description: Oil

Boiling Point: Bp_{0.7} 200-202°

>>Derivative: Na salt, dihydrate

Synonym(s): Loxoprofen sodium, JAN. Loxonin

CAS Registry Number: 80382-23-6

Physical Description: Cryst. (EtOAc aq.)

Melting Point: Mp 194-198°

Hazard & Toxicity: Acute asthmatic fatality reported. LD₅₀ (rat, orl) 145 mg/kg. LD₅₀ (rat, ivn) 155 mg/kg. Exp. reprod. effects

References: