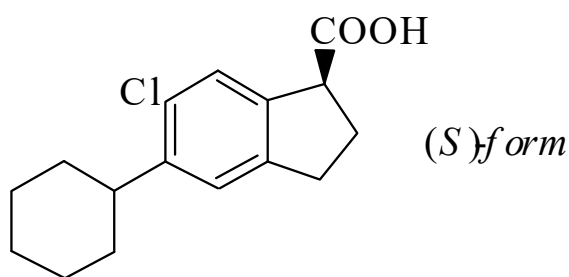




>>Entry Name: Clidanac, INN, JAN

Synonym(s): 6-Chloro-5-cyclohexyl-2,3-dihydro-1*H*-indene-1-carboxylic acid, 9Cl. 6-Chloro-5-cyclohexyl-1-indanecarboxylic acid. Britai. Indanal. TAI 284



CAS Registry Number: 34148-01-1

Molecular Formula: C₁₆H₁₉ClO₂

Molecular Weight: 278.778

Accurate Mass: 278.107357

Percentage Composition: C 68.94%; H 6.87%; Cl 12.72%; O 11.48%

Use/Importance: Antiinflammatory agent, analgesic, antipyretic

Calculated Log P Data: Log P 5.16 (calc)

>>Variant: (*S*)-form

CAS Registry Number: 28968-09-4

Molecular Formula: C₁₆H₁₉ClO₂

Molecular Weight: 278.778

Accurate Mass: 278.107357

Percentage Composition: C 68.94%; H 6.87%; Cl 12.72%; O 11.48%

Physical Description: Cryst.

Melting Point: Mp 130-135°

Optical Rotation: $[\alpha]_D^{25} +28.1$ (c, 1 in MeOH)

Other Data: Pharmacol. active enantiomer

>>Variant: (±)-form

CAS Registry Number: 28968-07-2

Molecular Formula: C₁₆H₁₉ClO₂

Molecular Weight: 278.778

Accurate Mass: 278.107357

Percentage Composition: C 68.94%; H 6.87%; Cl 12.72%; O 11.48%

Physical Description: Needles

Melting Point: Mp 151-152°

Solubility: Sl. sol. H₂O

pKa Value: pK_a 1

Hazard & Toxicity: LD₅₀ (rat, orl) 41 mg/kg. Exp. reprod. and teratogenic effects

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