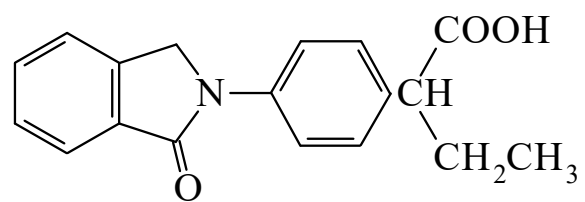




>>Entry Name: Indobufen, INN

Synonym(s): 4-(1,3-Dihydro-1-oxo-2*H*-isoindol-2-yl)- α -ethylbenzeneacetic acid, 9Cl. 2-[*p*-(1-Oxo-2-isoindoliny)phenyl]butyric acid. Ibustrin. Inagren. K 3920



Related CAS Registry Numbers(s): 131484-83-8

Molecular Formula: C₁₈H₁₇NO₃

Molecular Weight: 295.337

Accurate Mass: 295.120844

Percentage Composition: C 73.20%; H 5.80%; N 4.74%; O 16.25%

Use/Importance: Platelet aggregation inhibitor, antiinflammatory and NSAID analgesic agent

Development Status: Launched 1984

Calculated Log P Data: Log P 3.27 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 373 mg/kg. LD₅₀ (rat, ivn) 333 mg/kg. Weak rodent peroxisome proliferator

>>Variant: (S)-form

Synonym(s): Dextroindobufen

CAS Registry Number: 118289-97-7

Molecular Formula: C₁₈H₁₇NO₃

Molecular Weight: 295.337

Accurate Mass: 295.120844

Percentage Composition: C 73.20%; H 5.80%; N 4.74%; O 16.25%

Physical Description: Cryst. (EtOH)

Development Status: Phase II clinical trials (US, Japan, 1995)

Melting Point: Mp 197-198°

Optical Rotation: [α]_D²⁰ +83 (c, 1 in DMF)

>>Variant: (±)-form

CAS Registry Number: 63610-08-2

Molecular Formula: C₁₈H₁₇NO₃

Molecular Weight: 295.337

Accurate Mass: 295.120844

Percentage Composition: C 73.20%; H 5.80%; N 4.74%; O 16.25%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 182-184°

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