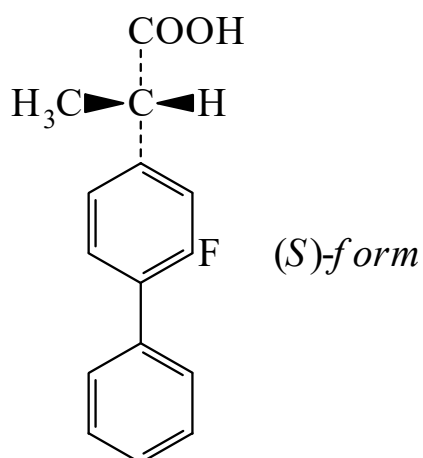




>>Entry Name: Flurbiprofen, BAN, INN, JAN, USAN

Synonym(s): 2-Fluoro- α -methyl-[1,1'-biphenyl]-4-acetic acid, 9CI. 2-(2-Fluoro-4-biphenyl)propionic acid. Froben. Ocufen. BTS 18322. Many other names



CAS Registry Number: 5104-49-4

Related CAS Registry Numbers(s): 51543-40-9

Molecular Formula: C₁₅H₁₃FO₂

Molecular Weight: 244.265

Accurate Mass: 244.089958

Percentage Composition: C 73.76%; H 5.36%; F 7.78%; O 13.10%

General Statement: (R)-form also known but shows less pharmacol. activity

Use/Importance: Analgesic, antiinflammatory agent. Mydriatic used in ocular surgery

Calculated Log P Data: Log P 3.75 (calc)

Aldrich: 44799-4

Sigma: F8514

>>Variant: (S)-form

Synonym(s): Esflurbiprofen, BAN, INN. BTS 24332

CAS Registry Number: 51543-39-6

Molecular Formula: C₁₅H₁₃FO₂

Molecular Weight: 244.265

Accurate Mass: 244.089958

Percentage Composition: C 73.76%; H 5.36%; F 7.78%; O 13.10%

>>Variant: (±)-form

CAS Registry Number: 51543-38-5

Molecular Formula: C₁₅H₁₃FO₂

Molecular Weight: 244.265

Accurate Mass: 244.089958

Percentage Composition: C 73.76%; H 5.36%; F 7.78%; O 13.10%

Physical Description: Cryst. (petrol)

Melting Point: Mp 110-111°

Hazard & Toxicity: LD₅₀ (rat, orl) 88 mg/kg. Exp. teratogenic effects

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