Overview

Product name: Fenbufen, COX inhibitor

Description: COX inhibitor. NSAID.

Biological description: COX inhibitor (IC$_{50}$ values are 4 and 8 μM for COX-1 and COX-2 respectively). NSAID. Potently inhibits prostaglandin synthesis. Shows anti-inflammatory and analgesic effects in vivo. Shows a similar spectrum and potency of activity as Phenylbutazone (Asc 2930). Orally active.

Purity: > 98%

CAS Number: 36330-85-5

Chemical structure:

![Chemical structure image]

Properties

Chemical name: 4-Oxo-4-(4-phenylphenyl)butanoic acid

Molecular weight: 254.28

Molecular formula: C$_{16}$H$_{14}$O$_{3}$

PubChem identifier: 3335

Storage instructions: Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO

Handling:

Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: C1=CC=C(C=C1)C2=CC=CC=C=C=C2(C(O)CCC(=O)O

Source: Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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