

## Product Information

**Product ID** F1652

**CAS No.** 36330-85-5

**Chemical Name** γ-Oxo-[1,1'-biphenyl]-4-butanoic acid

**Synonym** Bufemid, Cinopol, Lederfen

**Formula** C<sub>16</sub>H<sub>14</sub>O<sub>3</sub>

**Formula Wt.** 254.28

**Melting Point** 185-187°C

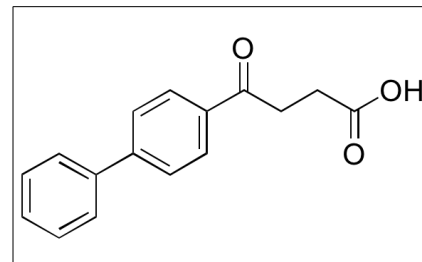
**Purity** ≥98%

**Solubility** Soluble in dimethyl sulfoxide.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Fenbufen is a non-steroidal anti-inflammatory drug (NSAID) that inhibits COX-1 and COX-2; it exhibits anti-inflammatory, analgesic, and antioxidative activities. Fenbufen is clinically used to treat rheumatoid arthritis, tendinitis, and ankylosing spondylitis. In vitro, fenbufen scavenges O<sub>2</sub> radicals and ROS.



**Bulk quantities available upon request**

| Product ID | Size |
|------------|------|
| F1652      | 1 g  |
| F1652      | 5 g  |
| F1652      | 10 g |

**References** Moore RA, Derry S, McQuay HJ. Single dose oral fenbufen for acute postoperative pain in adults. Cochrane Database Syst Rev. 2009 Oct 7;(4):CD007547. PMID: 19821427.

Costa D, Moutinho L, Lima JL, et al. Antioxidant activity and inhibition of human neutrophil oxidative burst mediated by arylpropionic acid non-steroidal anti-inflammatory drugs. Biol Pharm Bull. 2006 Aug;29(8):1659-70. PMID: 16880623.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.