



LKT Laboratories, Inc.

**Diffunisal**

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## Product Information

**Product ID** D3322

**CAS No.** 22494-42-4

**Chemical Name** 2',4'-Difluoro-4-hydroxy-[1,1'-biphenyl]-3-carboxylic acid

**Synonym** Adomal, Difludol, Dolisal, Dolobid, Dolobis, Flovacil, Fluniget, Fluodonil

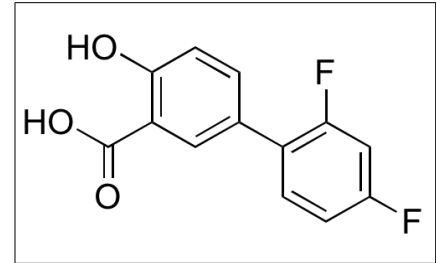
**Formula** C<sub>13</sub>H<sub>8</sub>F<sub>2</sub>O<sub>3</sub>

**Formula Wt.** 250.20

**Melting Point** 210-211 °C

**Purity** ≥98%

**Solubility** Sparingly soluble in water.



**Bulk quantities available upon request**

| Product ID | Size |
|------------|------|
| D3322      | 5 g  |
| D3322      | 10 g |
| D3322      | 50 g |

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Diflunisal is a long-acting non-steroidal anti-inflammatory drug (NSAID) that is clinically used to treat arthritis and dental pain. Diflunisal inhibits COX-1 and COX-2, exhibiting anti-inflammatory, antipyretic, analgesic, and antiviral activities. In vitro, diflunisal inhibits docking of HIV-1 to LEDGF/p75, preventing viral integration.

**References** Hu G, Li X, Sun X, et al. Identification of old drugs as potential inhibitors of HIV-1 integrase - human LEDGF/p75 interaction via molecular docking. *J Mol Model.* 2012 Dec;18(12):4995-5003. PMID: 22733274.

Lawton GM, Chapman PJ. Diflunisal--a long-acting non-steroidal anti-inflammatory drug. A review of its pharmacology and effectiveness in management of postoperative dental pain. *Aust Dent J.* 1993 Aug;38(4):265-71. PMID: 8216032.

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