



LKT Laboratories, Inc.

## D-Naproxen

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### Product Information

**Product ID** N0061

**CAS No.** 22204-53-1

**Chemical Name** S(+)-6-Methoxy- $\alpha$  methyl-2-naphthaleneacetic acid

**Synonym** S-Naproxen, Nonyl, Equiproxen, Napren, Pranoxen

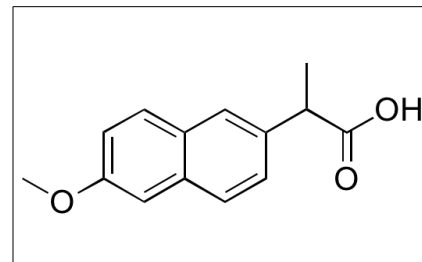
**Formula** C<sub>14</sub>H<sub>14</sub>O<sub>3</sub>

**Formula Wt.** 230.26

**Melting Point** 155-158°C

**Purity** ≥99%

**Solubility** Soluble in ethanol and acetone. Insoluble in water.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
N0061	5 g	\$54.50
N0061	25 g	\$115.90
N0061	50 g	\$204.40

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** Naproxen is a propionic non-steroidal anti-inflammatory drug (NSAID) that exhibits antipyretic, analgesic, anti-inflammatory, and antiviral activities. Naproxen inhibits COX-1 and COX-2 and is clinically used to treat fever, swelling, and pain. In vitro, naproxen inhibits influenza virus infection through binding of the nucleoprotein and preventing initiation of transcription and replication.

**References** Lejal N, Tarus B, Bouguyon E, et al. Structure-based discovery of the novel antiviral properties of naproxen against the nucleoprotein of influenza A virus. *Antimicrob Agents Chemother*. 2013 May;57(5):2231-42. PMID: 23459490.

Duggan KC, Walters MJ, Musee J, et al. Molecular basis for cyclooxygenase inhibition by the non-steroidal anti-inflammatory drug naproxen. *J Biol Chem*. 2010 Nov 5;285(45):34950-9. PMID: 20810665.

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