



LKT Laboratories, Inc.

## Ketoprofen

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### Product Information

**Product ID** K1677

**CAS No.** 22071-15-4

**Chemical Name** 3-Benzoyl-a-methylbenzeneacetic acid

**Synonym** Ketofen, Ketopron

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

**Formula Wt.** 254.28

**Melting Point** 93-96 °C

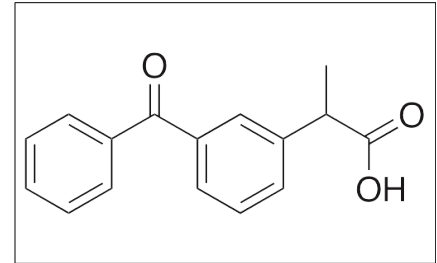
**Purity** ≥98%

**Solubility** Soluble in ethanol, acetone or DMSO. Slightly soluble in water.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Ketoprofen is a non-steroidal anti-inflammatory drug (NSAID) that non-selectively inhibits COX-1 and COX-2. Ketoprofen is clinically used to treat dental and arthritis pain in humans and veterinary subjects. Ketoprofen exhibits anti-inflammatory, analgesic, antipyretic, anticoagulant, and immunomodulatory activities. Ketoprofen inhibits lactate dehydrogenase in platelets, decreasing platelet count. In animal models of septic lung infection, ketoprofen increases survival rates as well as macrophage phagocytosis and neutrophil recruitment.



**Bulk quantities available upon request**

Product ID	Size
K1677	5 g
K1677	25 g
K1677	100 g

**References** Razi MT, Javed I, Choudry MZ, et al. Effect of ketoprofen on lactic dehydrogenase from human platelets. *Adv Clin Exp Med.* 2014 May-Jun;23(3):377-80. PMID: 24979508.

Brogliato AR, Antunes CA, Carvalho RS, et al. Ketoprofen impairs immunosuppression induced by severe sepsis and reveals an important role for prostaglandin E2. *Shock.* 2012 Dec;38(6):620-9. PMID: 23143054.

Kantor TG. Ketoprofen: a review of its pharmacologic and clinical properties. *Pharmacotherapy.* 1986 May-Jun;6(3):93-103. PMID: 3526298.

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