



LKT Laboratories, Inc.

Deracoxib

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## Product Information

Product ID D1869

CAS No. 169590-41-4

Chemical Name

Synonym

Formula  $C_{17}H_{14}F_3N_3O_3S$

Formula Wt. 397.37

Melting Point 163-164 °C

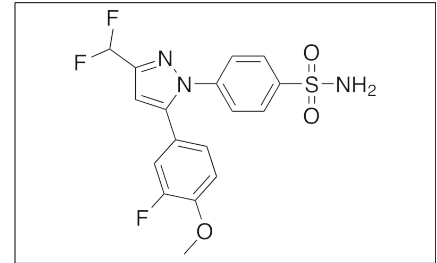
Purity ≥99%

Solubility 2mg/ml in DMSO

Store Temp Ambient

Ship Temp Ambient

**Description** Deracoxib is a non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory, analgesic, anticoagulant, and anticancer chemotherapeutic activities. Deracoxib inhibits COX-2 and is clinically used to treat osteoarthritis in veterinary subjects. Deracoxib also decreases platelet aggregation in vivo. In mammary tumor cells, deracoxib induces apoptosis, decreases cell viability, and induces G0/G1 phase cell cycle arrest; similarly, this compound inhibits tumor growth in animal models of bladder transitional cell carcinoma.



**Bulk quantities available upon request**

| Product ID | Size   |
|------------|--------|
| D1869      | 5 mg   |
| D1869      | 10 mg  |
| D1869      | 25 mg  |
| D1869      | 100 mg |

**References** Ustün Alkan F, Ustüner O, et al. The effects of piroxicam and deracoxib on canine mammary tumour cell line. *ScientificWorldJournal*. 2012;2012:976740. PMID: 23251109.

Bienhoff SE, Smith ES, Roycroft LM, et al. Efficacy and safety of deracoxib for control of postoperative pain and inflammation associated with soft tissue surgery in dogs. *Vet Surg*. 2012 Apr;41(3):336-44. PMID: 22225463.

McMillan SK, Boria P, Moore GE, et al. Antitumor effects of deracoxib treatment in 26 dogs with transitional cell carcinoma of the urinary bladder. *J Am Vet Med Assoc*. 2011 Oct 15;239(8):1084-9. PMID: 21985349.

Blois SL, Allen DG, Wood RD, et al. Effects of aspirin, carprofen, deracoxib, and meloxicam on platelet function and systemic prostaglandin concentrations in healthy dogs. *Am J Vet Res*. 2010 Mar;71(3):349-58. PMID: 20187838.

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