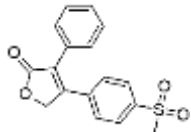


PRODUCT: Rofecoxib**ALTERNATE NAMES:** 4-(4-(methylsulfonyl)phenyl)-3-phenylfuran-2(5H)-one; MK-966; MK966**CATALOG NUMBER:** B1982-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₇H₁₄O₄S**MOLECULAR WEIGHT:** 314.36**CAS NUMBER:** 162011-90-7**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Rofecoxib is a non-steroidal anti-inflammatory drug (NSAID) that acts as a potent cyclooxygenase-2 (COX-2) inhibitor. It displays 1,000-fold selectivity for COX-2 over that of COX-1 (IC₅₀s = 26 nM and > 50 μM in human osteosarcoma cells).**REFERENCES:** Chan, C.C., *et al.* (1999). *J.Pharmacol. Exp. Ther.* **290**, 551-560.**RELATED PRODUCTS:**

Celecoxib (**1574**)
Cimicoxib (**B1984**)
COX-2 Inhibitor Screening Kit (**K547**)
Deracoxib (**B1985**)
Etoricoxib (**B1983**)
Firocoxib (**B1986**)
6-Gingerol (**2507**)
Loganin (**B1161**)
Lumiracoxib (**B1987**)
Mavcoxib (**B1988**)
Nimesulfide (**2777**)
Parecoxib sodium (**B1989**)
Robenacoxib (**B1990**)
Rofecoxib (**B1982**)
Valdecoxib (**B1991**)

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**