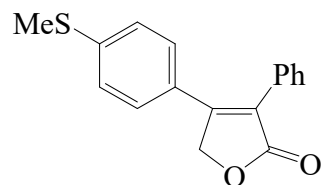




>>Entry Name: 4-[4-(Methylthio)phenyl]-3-phenyl-2(5H)-furanone, 9Cl



CAS Registry Number: 162012-30-8

Molecular Formula: C₁₇H₁₄O₂S

Molecular Weight: 282.362

Accurate Mass: 282.07145

Percentage Composition: C 72.31%; H 5.00%; O 11.33%; S 11.36%

>>Derivative: S,S-Dioxide

Synonym(s): Rofecoxib, INN. 4-[4-(Methylsulfonyl)phenyl]-3-phenyl-2(5H)-furanone, 9Cl. Vioxx. MK 966

CAS Registry Number: 162011-90-7

Molecular Formula: C₁₇H₁₄O₄S

Molecular Weight: 314.361

Accurate Mass: 314.06128

Percentage Composition: C 64.95%; H 4.49%; O 20.36%; S 10.20%

Biological Use/Importance: Cyclooxygenase-2 inhibitor

Physical Description: Solid

Development Status: Marketed drug. Launched 1999 (Mexico). Worldwide 12th best selling prescription drug (\$2.16 bn) (Merck) (2000, PharmaBusiness)

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