

Rofecoxib, COX-2 inhibitor

Catalog	Unit
TBI2440-50MG	50 mg
TBI2440-250MG	250 mg

Product Details

Formal Name: 4-[4-(methylsulfonyl)phenyl]-3-phenyl-2(5H)-furanone

Alternate Names: MK-966

Molecular Formula: C₁₇H₁₄O₄S

Formula Weight: 314.36

CAS Number: 162011-90-7

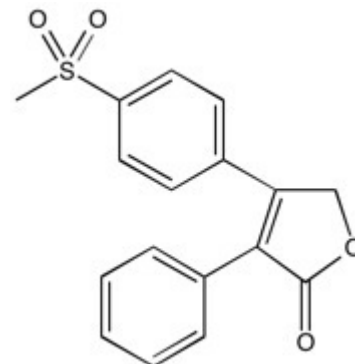
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

COX-2 inhibitor

Functions

Potent and selective COX-2 inhibitor with 1000-fold selectivity over COX-1, IC₅₀=26 nM vs >50 μM. Potent nonsteroidal anti-inflammatory agent. Clinically useful NSAID which was withdrawn from use due to cardiovascular side effects.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.