

Celecoxib, COX-2 inhibitor

Catalog	Unit
TBI2124-50MG	50 mg
TBI2124-250MG	250 mg

Product Details

Formal Name: 4-(5-(p-tolyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide

Alternate Names: SC-58635

Molecular Formula: C₁₇H₁₄F₃N₃O₂S

Formula Weight: 381.38

CAS Number: 169590-42-5

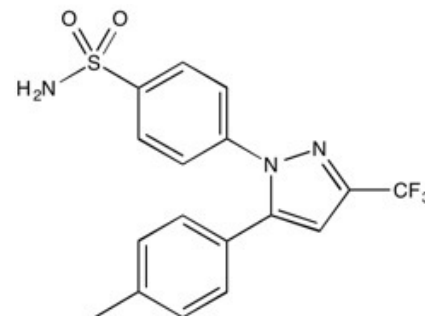
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 100 mg/ml) or in Ethanol (up to 100 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

COX-2 inhibitor

Functions

Selective inhibitor of cyclooxygenase-2 (COX-2) IC₅₀ = 15 and 0.04 μM for COX-1 and COX-2 respectively. Potent and clinically useful antiinflammatory agent. Cancer chemopreventive agent. May act synergistically with currently used anticancer agents. Cell permeable, active in vivo.

Application Procedures

First dissolved in DMSO (up to 100 mg/ml) or in Ethanol (up to 100 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.