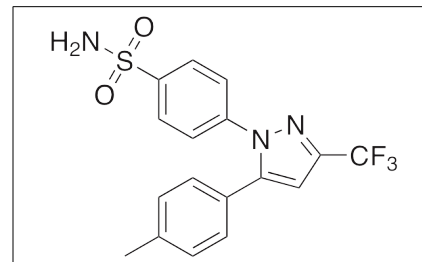




Product Information

Product ID C1644
CAS No. 169590-42-5
Chemical Name 4-[5-(4-Methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl] benzenesulfonamide
Synonym SC-58635, Celebrex
Formula C₁₇H₁₄F₃N₃O₂S
Formula Wt. 381.37
Melting Point 157-159 °C
Purity ≥99%
Solubility Insoluble in water. Soluble in DMSO (200 mg/mL), ethanol (100 mg/mL).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C1644	100 mg	\$118.40
C1644	500 mg	\$248.20
C1644	1 g	\$381.70

Store Temp Ambient

Ship Temp Ambient

Description Celecoxib is a non-steroidal anti-inflammatory drug (NSAID) that inhibits COX-2; it exhibits anti-inflammatory, analgesic, anticancer, and anti-metastatic activities. Celecoxib is clinically used to treat arthritis, acute pain, and ankylosing spondylitis. In hepatoma cells, celecoxib decreases the mitochondrial membrane potential, increases cytochrome c release, activates caspases 3 and 9, alters Bcl-2 and Bax levels, and induces apoptosis. In vitro, celecoxib inhibits release of IL-6, IL-18, and MIP-1α, suppresses phosphorylation of JNK, and activates SIRT1. Additionally, this compound inhibits invasion and migration of nasopharyngeal carcinoma cells by decreasing activity of matrix metalloproteinases 2 and 9 (MMP2/9).

References Shao D, Kan M, Qiao P, et al. Celecoxib induces apoptosis via a mitochondria dependent pathway in the H22 mouse hepatoma cell line. *Mol Med Rep.* 2014 Oct;10(4):2093-8. PMID: 25109418.

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