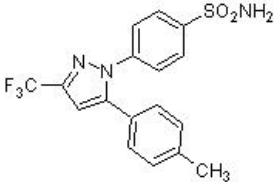


Product datasheet

Celecoxib (Celebrex), cyclooxygenase-2 (COX-2) inhibitor ab141988

[4 References](#) [1 Image](#)

Overview

Product name	Celecoxib (Celebrex), cyclooxygenase-2 (COX-2) inhibitor
Description	Selective cyclooxygenase-2 (COX-2) inhibitor. Non-steroidal anti-inflammatory drug.
Biological description	Selective COX-2 inhibitor (IC ₅₀ values are 15 and 0.04 μM for COX-1 and COX-2 respectively). Non-steroidal anti-inflammatory drug. Enhances tumor cell apoptosis <i>in vivo</i> . Orally active.
CAS Number	169590-42-5
Chemical structure	

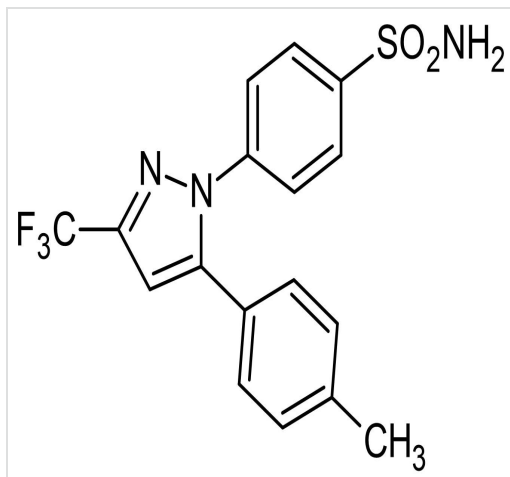
Properties

Chemical name	4-[5-(4-Methylphenyl)-3-(trifluoromethyl)pyrazol-1-yl]benzenesulfonamide
Molecular weight	381.37
Molecular formula	C ₁₇ H ₁₄ F ₃ N ₃ O ₂ S
PubChem identifier	2662
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM and in ethanol to 50 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>CC1=CC=C(C=C1)C2=CC(=NN2C3=CC=C(C=C3)S(=O)(=O)N)C(F)(F)F</chem>

Source

Synthetic

Images



2D chemical structure image of ab141988, Celecoxib (Celebrex), cyclooxygenase-2 (COX-2) inhibitor

Chemical Structure - Celecoxib (Celebrex),
cyclooxygenase-2 (COX-2) inhibitor (ab141988)

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