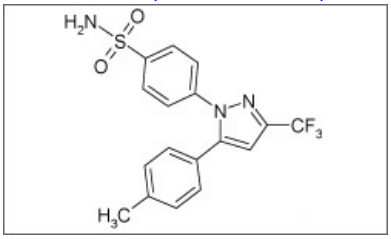
# Celecoxib

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Brand name: Celebrex®
IUPAC: 4-[5-(4-methylphenyl)-3-(trifluoromethyl)pyrazol-1-yl]benzenesulfonamide
FDA approval: Yes
Manufacturer Link
Usage:

Celecoxib (Celebrex®) is an anti-inflammatory (pain and fever reducing) drug. Celecoxib is given as an oral capsule, usually one to two times a day.1

1 Celebrex Prescribing Information. Pharmacia & Upjohn Company. 2015. [http://www.celebrex.com]

Mechanism:

Celecoxib specifically targets the COX2 enzyme.Since it only binds to the COX2 enzyme, it reduces the negative effects on the stomach that many NSAIDs cause.

The 3D diagram below shows the molecular structure of Celecoxib.

Stick | Sphere | Line | Rotate

Side effects:

Some common side effects include: indigestion, diarrhea, abdominal pain. Celecoxib can have more serious effects on the stomach, liver, and kidneys, but these occurrences are rare.