

# Acetaminophen

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Brand name: Tylenol®

Brand name: Paracetamol®

IUPAC: N-(4-hydroxyphenyl)ethanamide

FDA approval: Yes

[Manufacturer Link](#)

Usage:

Acetaminophen is used for the treatment of mild pain and fever.

Mechanism:

The exact mechanism of action of acetaminophen is not completely understood. It selectively inhibits cyclooxygenase 2 (COX-2). It is classified as a non-steroidal anti-inflammatory agent but has only limited anti-inflammatory properties.

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

Side effects:

Side effects of acetaminophen are rare. However, extreme doses of acetaminophen or prolonged use can cause liver damage.