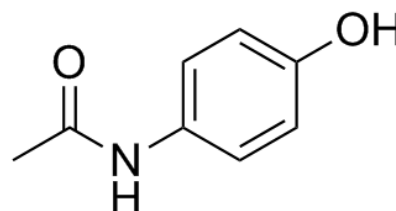


Product Name : Acetaminophen
Cat. No. : PC-45921
CAS No. : 103-90-2
Molecular Formula : C₈H₉NO₂
Molecular Weight : 151.1626
Target : Cyclooxygenase (COX)
Solubility : 10 mM in DMSO



Biological Activity

Acetaminophen (Paracetamol, 4-Acetamidophenol, APAP) is a well-known analgesic and antipyretic agent that selectively inhibits **COX-2** activities with IC₅₀ of 25.8 μM.

Acetaminophen might modulate the endogenous cannabinoid system in the brain through paracetamol's metabolite, AM404.

Acetaminophen is typically used for mild to moderate pain.

References

Ghanem CI, et al. *Pharmacol Res.* 2016 Jul;109:119-31.

Huseinovic A, et al. *PLoS One.* 2017 Mar 14;12(3):e0173573.

Rashid U, et al. *BMC Complement Altern Med.* 2016 Nov 9;16(1):449.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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