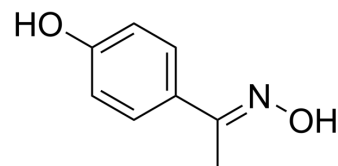


## 4-Hydroxyacetophenone oxime

Cat. No.:	HY-135325
CAS No.:	34523-34-7
Molecular Formula:	C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub>
Molecular Weight:	151.16
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### BIOLOGICAL ACTIVITY

#### Description

4-Hydroxyacetophenone oxime is an impurity of Acetaminophen (Paracetamol). Acetaminophen is a potent cyclooxygenase-2 (COX-2) and hepatic N-acetyltransferase 2 (NAT2) inhibitor, and used antipyretic and analgesic agent<sup>[1][2]</sup>.

### REFERENCES

[1]. Hinz, B, et al. Acetaminophen (paracetamol) is a selective cyclooxygenase-2 inhibitor in man. *FASEB J*, 2008. 22(2): p. 383-90.

[2]. Rothen JP, et al. Acetaminophen is an inhibitor of hepatic N-acetyltransferase 2 in vitro and in vivo. *Pharmacogenetics*. 1998 Dec;8(6):553-9.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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