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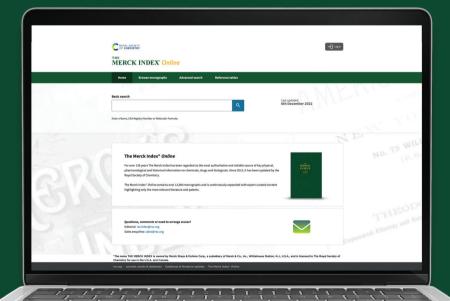
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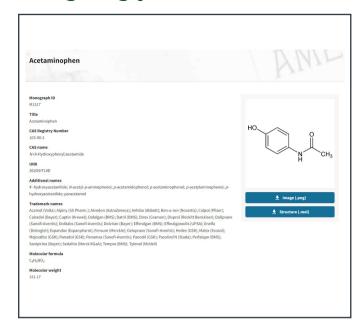
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# Navigating your search



#### Percent composition

C 63.56%, H 6.00%, N 9.27%, O 21.17%

#### Standard InCh

InChl=1S/C8H9NO2/c1-6(10)9-7-2-4-8(11)5-3-7/h2-5,11H,1H3,(H,9,10)

#### Standard InChiKey

RZVAJINKPMORJF-UHFFFAOYSA-N

#### **Properties**

Large monoclinic prisms from water, mp 169-170.5 °C. d<sub>4</sub><sup>21</sup> 1.293. uv max (ethanol): 250 nm (£ 13800). Freely sol in alcohol. Sol in methanol, ethanol, dimethylformamide, ethylene dichloride, acetone, ethyl acetate, boiling water, 1*N* sodium hydroxides. Slightly sol in ether. Very slightly sol in cold water. Practically insol in petr ether, pentane, benzene. Lb<sub>50</sub> in mice (mg/kg): 338 orally, 500 i.p. See: G. A. Stramer et al., Toxicol. Appl. Pharmacol. 19, 20 (1971) DOI: 10.1016/0041-008X(71)90185-2 PMID: 5570565; D. C. Dahlin, S. D. Nelson, J. Med. Chem. 25, 885 (1982) DOI: 10.1021/jm00350a001 PMID: 7120276.

#### Non-medical use

Manuf azo dyes, photographic chemicals.

#### References

Synthetic non-opiate analgesic. Prepn from p-nitrophenol: Morse, Ber. 11, 232 (1878); Tingle, Williams, Am. Chem. J. 37, 63 (1907); from p-aminophenol: Lumière et al., Bull. Soc. Chim. Fr. [3] 33, 785 (1905); Fierz-David, Kuster, Helv. Chim. Acta 22, 94 (1939); Wilbert, De Angelis, US 2998450 (1961 to Warner-Lambert); Bergmann, DE 453577; Chem. Zentralbl. 1928, I, 2663; Frdl. 16, 238; from p-hydroxyacetophenone hydrazone: Pearson et al., J. Am. Chem. Soc. 75, 5907 (1953).

Evaluation of renal effects: D. P. Sandler et al., N. Engl. J. Med. 320, 1238 (1989) PMID: 2651928.

Clinical trial in osteoarthritis: A. R. Temple et al., Clin. Ther. 28, 222 (2006) DOI: 10.1016/j.clinthera.2006.02.004 PMID: 16678643.

Molecular toxicology: P. D. Josephy, *Drug Metab. Rev.* **37**, 581 (2005) DOI: 10.1080/03602530500205200 PMID: 16393886.

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- Veterinary drugs

#### Classifications

#### Therapeutic category

Analgesic; Analgesic (Non-opioids); Anilides; Antipyretic

#### Therapeutic category (Vet.)

Analgesic.

#### Keywords

Analgesic; antipyretic.

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