

## Oxycodone (Cas No 76-42-6)

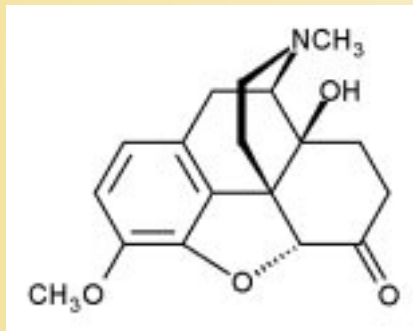


Oxycodone

CAS number 76-42-6

Formula C<sub>18</sub>H<sub>21</sub>NO<sub>4</sub>

Mol. mass 315.364 g/mol



Synonyms Dihydrohydrocodeinone, 14-Hydroxydihydrocodeinone

Pharmacokinetic data

Bioavailability Up to 87%

Protein binding 45%

Metabolism Hepatic (CYP450: 2D6 substrate)

Half life 3 - 4.5 h

Excretion Urine (19% unchanged)

Oxycodone is a central nervous system depressant. Oxycodone's action appears to work through stimulating the opioid receptors found in the central nervous system that activate responses ranging from analgesia to respiratory depression to euphoria. People who take the drug repeatedly can develop a tolerance or resistance to the drug's effects. Thus, a cancer patient can take a dose of oxycodone on a regular basis that would be fatal in a person never exposed to oxycodone or another opioid. Most individuals who abuse oxycodone seek to gain the euphoric effects, mitigate pain, and avoid withdrawal symptoms associated with oxycodone or heroin abstinence.