



## Tylenol

### Purpose

Tylenol (acetaminophen) is used to control the pain, usually, use in the hospital.<sup>1</sup> Tylenol is a pain reliever and used to decrease fevers. Tylenol is used to treat many conditions such as a headache, muscle aches, toothaches, colds, and fevers. The liver disease patient should not use this medicine because it will cause bad effects to patient's liver. Children less than 2 years old should not use this medicine without doctor advice. If you use this medicine overdose, it will damage your liver or might cause death, so you should follow the dosing direction strictly. If take too much medicine, call the emergency, then go to see a doctor. Missing dose is not a big problem, if you miss one, you just skip it. When Tylenol cause side effect, the patient will have trouble breathing. The dose of Tylenol will be changed by age.<sup>2</sup>

### Chemical Property <sup>3</sup>

1

2

3

Molecular Weight	151.165 g/mol
Hydrogen Bond Donor Count	2
Hydrogen Bond Acceptor Count	2
Rotatable Bond Count	3
Complexity	139
Formal charge	0
Heavy atom count	11
Covalently-Bonded Unit Count	1

## Physical Description

PHYSICAL DESCRIPTION: Odorless white crystalline solid. Bitter taste. pH about 6.  
Liquid, Other Solid

Solid

COLOURLESS CRYSTALS OR CRYSTALLINE POWDER

Color

Large monoclinic prisms from water

Taste

Slightly bitter taste

Boiling Point

>500°C

Melting Point

336 to 342° F (NTP, 1992)

169-171

## Reference

1 Pickens, L. A., & Meinke, S. M. (2011). OFIRMEV: A Recently Introduced Drug. *Journal of Pediatric Nursing*, 26(5), 494-497. doi:10.1016/j.pedn.2011.07.015

2 Tylenol: Drug Uses, Dosage & Side Effects. (n.d.). Retrieved May 22, 2017, from <https://www.drugs.com/tylenol.html>

3 Acetaminophen. (n.d.). Retrieved May 22, 2017, from <https://pubchem.ncbi.nlm.nih.gov/compound/acetaminophen#section=Top>

