

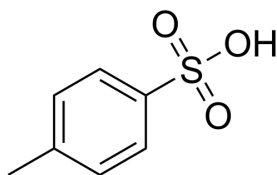
## p-Toluenesulfonic acid (monohydrate)

Cat. No.: HY-W015175  
CAS No.: 6192-52-5  
Batch No.: 213543  
Chemical Name: Benzenesulfonic acid, 4-methyl-, hydrate (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>7</sub>H<sub>10</sub>O<sub>4</sub>S  
Molecular Weight: 190.22  
Storage: 4°C, sealed storage, away from moisture  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (HPLC): 98.91%  
Residue on Ignition: 0.05%  
Conclusion: The product has been tested and complies with the given specifications.

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

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