

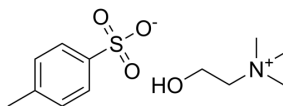
## Choline tosylate

Cat. No.: HY-W100403  
 CAS No.: 55357-38-5  
 Batch No.: 280248  
 Chemical Name: Ethanaminium, 2-hydroxy-N,N,N-trimethyl-, 4-methylbenzenesulfonate (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{12}H_{21}NO_4S$   
 Molecular Weight: 275.36  
 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 yellow (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 Purity (HPLC): 99.41%  
 Water(KF): 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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