

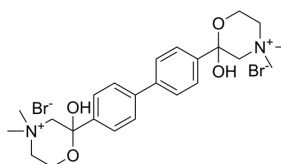
## Hemicholinium 3

Cat. No.: HY-B2152  
 CAS No.: 312-45-8  
 Batch No.: 146447  
 Chemical Name: Morpholinium, 2,2'-[1,1'-biphenyl]-4,4'-diylbis[2-hydroxy-4,4-dimethyl-, bromide (1:2)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{24}H_{34}Br_2N_2O_4$   
 Molecular Weight: 574.35  
 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)  
 $^1H$  NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (LCMS): 99.71%  
 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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