

## Verapamil EP Impurity C (hydrochloride)

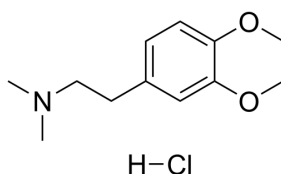
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Cat. No.: HY-136589  
CAS No.: 51012-67-0  
Batch No.: 252397  
Chemical Name: Benzeneethanamine, 3,4-dimethoxy-N,N-dimethyl-, hydrochloride (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>12</sub>H<sub>20</sub>ClNO<sub>2</sub>  
Molecular Weight: 245.75  
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: Off-white to light yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 99.61%  
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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