

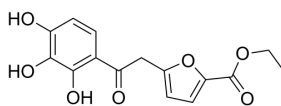
## MMG-11 (quarterhydrate)

Cat. No.: HY-112146A  
Batch No.: 256348  
Chemical Name: 2-Furancarboxylic acid, 5-[2-oxo-2-(2,3,4-trihydroxyphenyl)ethyl]-, ethyl ester (quarterhydrate)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{15}H_{14}O_7 \cdot 1/4H_2O$   
Molecular Weight: 310.78  
Storage: Powder      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent   -80°C    6 months  
  -20°C    1 month

Chemical Structure:



1/4 H<sub>2</sub>O

### ANALYTICAL DATA

Appearance: Off-white to light yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 99.09%  
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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