

## Product Information Sheet

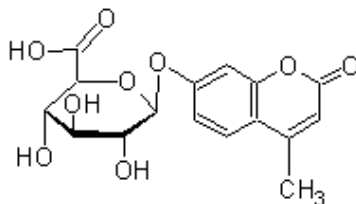
### Ordering Information

Product Number: 14016  
Product Name: MUGlcU [4-Methylumbelliferyl-beta-D-glucuronide]  
Unit Size: 5 mg  
Storage Conditions: <-15 °C and kept from light and moisture  
Expiration Date: 12 months upon receiving

### Chemical and Spectral Properties

Molecular Weight: 352.29

Chemical Structure:



Soluble in: DMSO

Excitation Wavelength: 360 nm

Emission Wavelength: 449 nm

### Application Notes

MUGlcU is a fluorogenic MU substrate for detecting glucuronidase in cell extracts and purified enzyme preparations using a fluorescence microplate reader or fluorometer. The organic and inorganic esters and glycosides of 7-hydroxy-4-methylcoumarin (4-methylumbelliferone, MU) are among the most commonly used fluorogenic substrates. These substrates yield water-soluble blue fluorescent coumarin fluorophores. MU develops maximum fluorescence above pH 10.