

Product Information Sheet

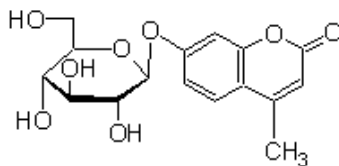
Ordering Information

Product Number: 14014
Product Name: 4-Methylumbelliferyl-beta-D-glucoside *UltraPure Grade*
Unit Size: 25 mg
Storage Conditions: <-15 °C and kept from light and moisture
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Molecular Weight: 338.32

Chemical Structure:



Soluble in: DMSO
Excitation Wavelength: 360 nm
Emission Wavelength: 449 nm

Application Notes

4-Methylumbelliferyl-beta-D-glucoside is a fluorogenic MU substrate for detecting glucosidase 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.