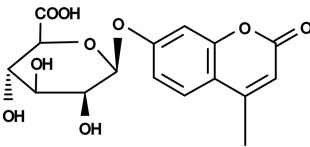
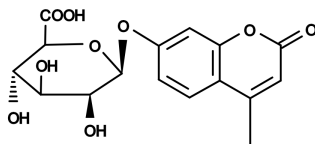


MUGlcU [4-Methylumbelliferyl-beta-D-glucuronide] *CAS 881005-91-0*Catalog number: 14016
Unit size: 5 mg**Product Details**

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Off-white solid
Molecular Weight	352.29
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	341 nm
Emission Wavelength	441 nm

Applications

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.