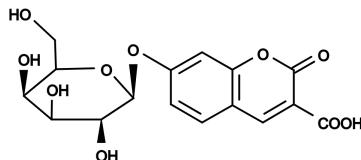


**CUG [3-Carboxyumbelliferyl beta-D-galactopyranoside] \*CAS 64664-99-9\***Catalog number: 14003  
Unit size: 10 mg**Product Details**

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

**Chemical Properties**

Appearance	Solid
Molecular Weight	368.29
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	352 nm
Emission Wavelength	407 nm

**Applications**

CUG is a fluorogenic galactosidase substrate with carboxy reactive handle that can be used for conjugation. The organic and inorganic esters and glycosides of 7-hydroxycoumarin are among the most commonly used fluorogenic substrates. These substrates yield water-soluble blue fluorescent coumarin fluorophores upon interaction with enzymes.