

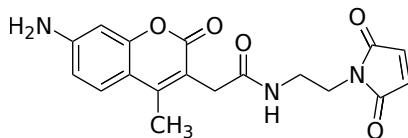
AMCA C2 Maleimide

Catalog Number: 503
Unit Size: 5 mg

Product Details

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

Chemical Properties

Appearance	Solid yellow
Molecular Weight	355.34
Soluble In	DMSO
Chemical Structure	 The chemical structure of AMCA C2 Maleimide is a derivative of AMCA (4-(2-maleimidyl)phenylamine). It features a 4-aminophenyl ring attached to a 2-maleimidyl group. The 2-maleimidyl group consists of a methylene group (CH2) attached to an imide group (C=O-NH-C(=O)-). The imide group is further attached to a propyl chain (CH2-CH2-CH2-NH-C(=O)-).

Spectral Properties

Excitation Wavelength	346 nm
Emission Wavelength	434 nm

Applications

AMCA is one of the brightest blue fluorescent labeling dyes. It can be well excited at 365 nm. It is quite photostable, and its fluorescence is pH-independent from pH 4 to 10. This AMCA C2 maleimide can be used for labeling thiol compounds.