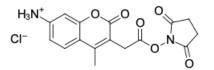


AMCA NHS ester

http://www.lumiprobe.com/p/amca-nhs-ester

Activated NHS-ester of AMCA (aminomethyl coumarin acetate) dye. This NHS ester is an amine-reactive dye for labeling of amine groups in proteins, peptides, amino-modified oligos, and other target molecules.

AMCA is one of the brightest blue fluorescent dyes. This fluorophore has a relatively large Stoke's shift, high resistance to photobleaching, and pH-independent fluorescence from pH 4 to 10. AMCA is a widely used fluorophore for multiple-color labeling due to its minimal fluorescence overlap with green- and longer wavelength-emitting fluorescent dyes.



Structure of AMCA NHS ester

General properties	
Appearance:	gray powder
Mass spec M+ increment:	331.3
Molecular weight:	366.76
CAS number:	113721-87-2
Molecular formula:	$C_{16}H_{15}CIN_2O_6$
Solubility:	in DMSO, DMF
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	12 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Spectral properties

348
17400
435
0.91
0.16
0.13