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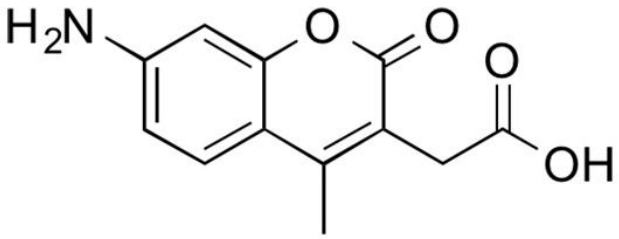
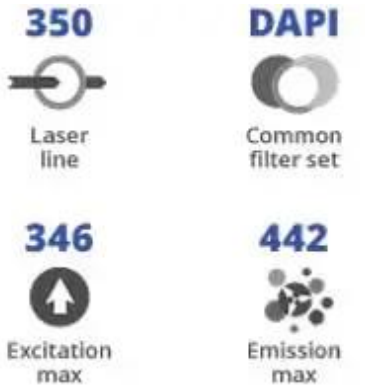
AMCA ACID

SKU: FP-1235



Description



AMCA Acid (7-amino-4-methylcoumarin-3-acetic acid) is one of the most popular blue fluorescent tagging molecules. Often used as contrasting probes for double- and triple-labeling inimmunofluorescence microscopy, arrays and in situ hybridization. The desirable properties of AMCA dyes include a relatively large Stoke’s shift and resistance to photobleaching.

AMCA Acid is a reagent of choice for the preparation of custom activated esters that often are not commercially available. Examples of such activated esters include sulfo-NHS, TFP (2,3,5,6-Tetrafluorophenol), STP (4-Sulfo-2,3,5,6-Tetrafluorophenol, Sodium Salt). Another common application for non-activated carboxylic acid is peptide modification during solid phase synthesis, which usually requires in-situ activation with peptide coupling regents, for example HATU. AMCA Acid is also often used for control experiments, and for calibration.

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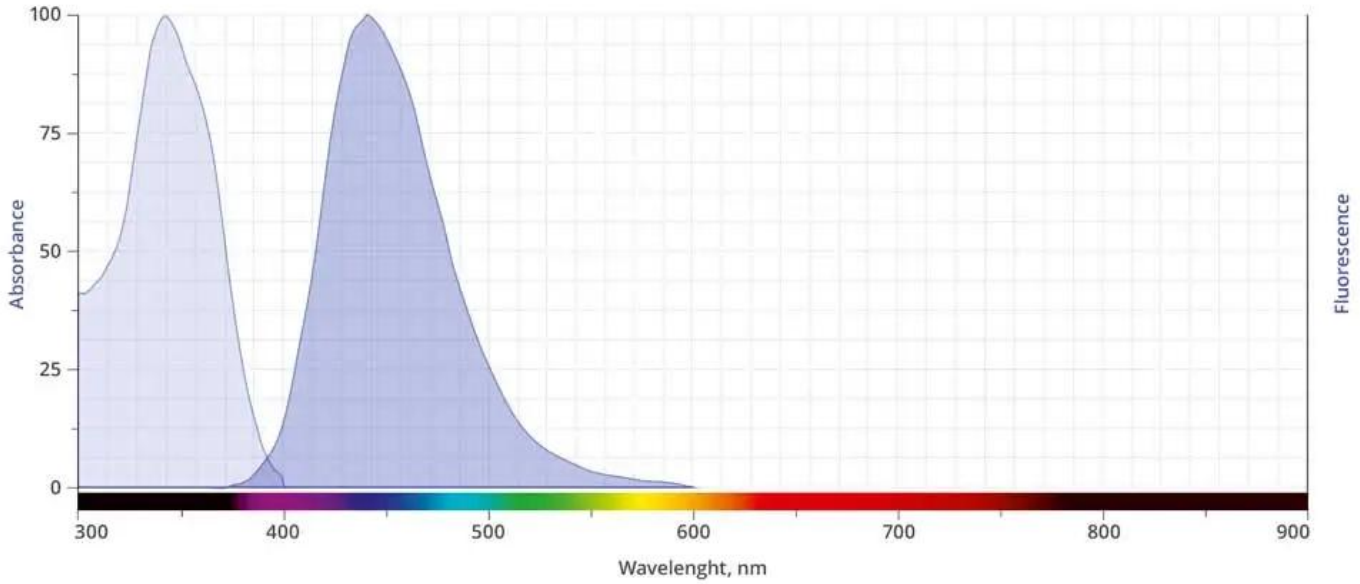

Abs/Em Spectra

Specifications

Unit Size	25 mg, 100 mg, 1000 mg
Reactivity	Primary amines (needs activation)
Abs/Em Maxima	345/450 nm
Extinction coefficient	19,000 cm-1M-1
Solubility	DMSO, DMF
Spectrally similar dyes	Alexa Fluor® 350, AMCA, DyLight® 350
Molecular weight	233.27
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature