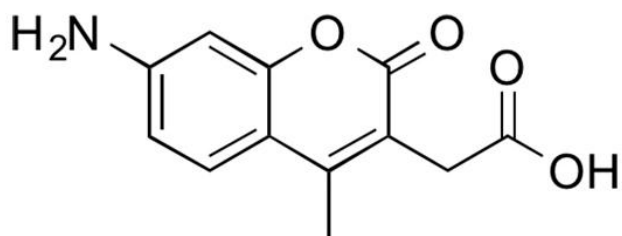


AMCA ACID

SKU: FP-1235



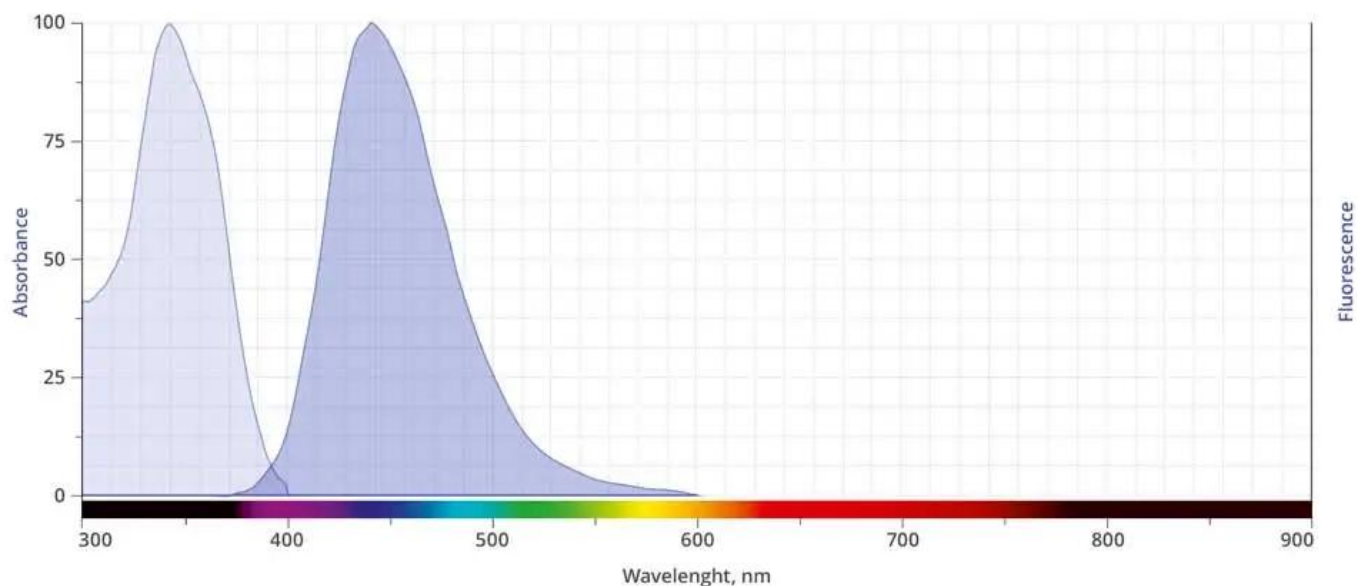
Description



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 in immunofluorescence 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 reagents, for example HATU. AMCA Acid is also often used for control experiments, and for calibration.

For research use only. Not intended for animal or human therapeutic or diagnostic use.



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 ⁻¹ M ⁻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

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