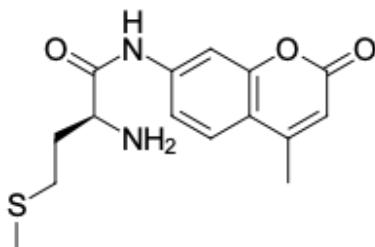


H-Met-AMC, calpain substrate

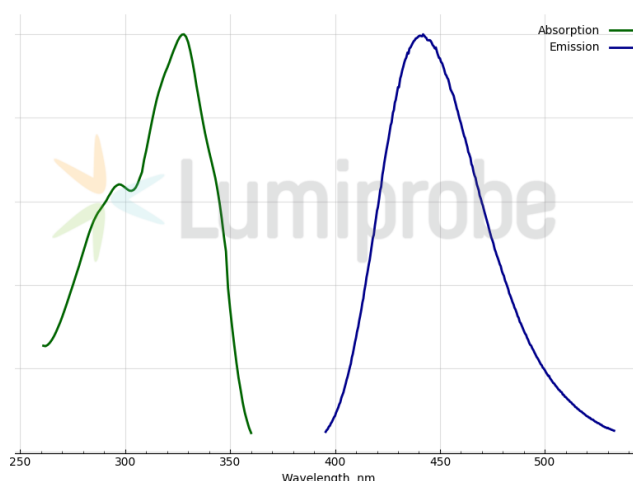
<http://www.lumiprobe.com/p/h-met-amc-calpain-substrate>

H-Met-AMC (L-methionine-7-amido-4-methylcoumarin) is a fluorogenic substrate for methionine aminopeptidase 2 (MetAP2) ($K_m=310 \mu\text{M}$) and aminopeptidase N ($K_m=377 \mu\text{M}$). This substrate is a useful tool for inhibitor screening and kinetic analysis.

H-Met-AMC has an excitation peak at 341 nm and emission at 441 nm. The following excitation/emission can also be used: 355,375/440,450.



Structure of H-Met-AMC, calpain substrate



Absorption and emission spectra of calpain substrate

General properties

Appearance:	off-white crystals
Molecular weight:	306.39
CAS number:	94367-34-7, 94367-35-8 (trifluoroacetate)
Molecular formula:	$\text{C}_{15}\text{H}_{18}\text{N}_2\text{O}_3\text{S}$
Solubility:	Soluble in DMF, DMSO, acetonitrile, ethyl acetate. Slightly soluble in chloroform. Insoluble in water, diethyl ether
Quality control:	NMR ^1H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	341
Emission maximum, nm:	441