

Ac-LKKR-AMC

Catalog number: 13446

Unit size: 1 mg

Product Details

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

Chemical Properties

Appearance	Solid
Molecular Weight	1084.99
Soluble In	DMSO

Spectral Properties

Excitation Wavelength	341 nm
Emission Wavelength	441 nm

Applications

Ac-Leu-Lys-Lys-Arg-AMC is a fluorogenic aminopeptidase and endopeptidase substrate. It might be used as a fluorogenic probe for detecting thrombin and metacaspases. Metacaspases are found in plants, fungi, and protozoa. They are cysteine-proteases and are distantly related to metazoan caspases. The protease activity is quantified by release of free fluorescent 7-amino-4-methylcoumarin (AMC) which excites at 360-380 nm and emits at 440-460 nm.