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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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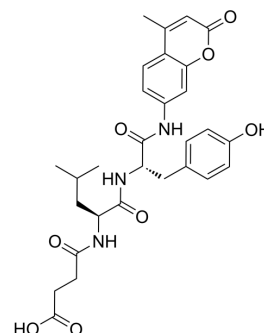
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Suc-Leu-Tyr-AMC

Cat. No.:	HY-135172
CAS No.:	94367-20-1
Molecular Formula:	C ₂₉ H ₃₃ N ₃ O ₈
Molecular Weight:	551.59
Sequence:	{Suc}-Leu-Tyr-{AMC}
Sequence Shortening:	{Suc}-LY-{AMC}
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (181.29 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.8129 mL	9.0647 mL	18.1294 mL
	5 mM		0.3626 mL	1.8129 mL	3.6259 mL
	10 mM		0.1813 mL	0.9065 mL	1.8129 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Suc-Leu-Tyr-AMC is a fluorometric peptide substrate for μ -calpain and m-calpain. The excitation wavelength is 360 nm and the emission wavelength is 460 nm^[1].

REFERENCES

[1]. Barrett MJ, et al. Effect of substrate on Ca²⁺(+)-concentration required for activity of the Ca²⁺(+)-dependent proteinases, mu- and m-calpain. Life Sci. 1991;48(17):1659-69.

Caution: Product has not been fully validated for medical applications. For research use only.

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