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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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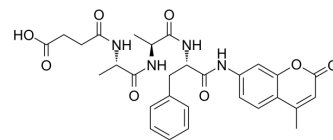
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Suc-Ala-Ala-Phe-AMC

Cat. No.:	HY-137337
CAS No.:	71973-79-0
Molecular Formula:	C ₂₉ H ₃₂ N ₄ O ₈
Molecular Weight:	564.59
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (442.80 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7712 mL	8.8560 mL	17.7120 mL
	5 mM		0.3542 mL	1.7712 mL	3.5424 mL
	10 mM		0.1771 mL	0.8856 mL	1.7712 mL

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

BIOLOGICAL ACTIVITY

Description

Suc-Ala-Ala-Phe-AMC is a fluorogenic chymotrypsin substrate, can be hydrolyzed by endopeptidase. Suc-Ala-Ala-Phe-AMC has been used in both in vivo assays of the acrosome reaction and in vitro enzyme assays^{[1][2][3]}.

REFERENCES

- [1]. Farach HA Jr, et al. Evidence for the involvement of metalloendoproteases in the acrosome reaction in sea urchin sperm. J Biol Chem. 1987 Apr 25;262(12):5483-7.
- [2]. Pinto MR, et al. Chymotrypsin-like enzymes are involved in sperm penetration through the vitelline coat of Ciona intestinalis egg. Mol Reprod Dev. 1990 Aug;26(4):319-23.
- [3]. Mumford RA, et al. A zinc metalloendopeptidase associated with dog pancreatic membranes. J Biol Chem. 1980 Mar 25;255(6):2227-30.

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

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