Boc-Arg-Val-Arg-Arg-AMC hydrochloride

Cat. No.: HY-P4548

CAS No.: 136132-77-9

Molecular Formula: $C_{38}H_{63}ClN_{14}O_8$

Molecular Weight: 879.45

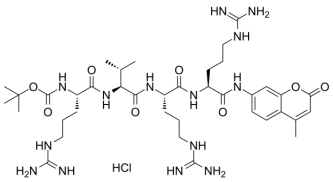
Sequence: {Boc-Arg}-Val-Arg-{Arg-AMC}

Sequence Shortening: {Boc-Arg}-VR-{Arg-AMC}

Target: Furin

Pathway: Metabolic Enzyme/Protease

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

H_2O : 100 mg/mL (113.71 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.1371 mL	5.6854 mL	11.3707 mL
	5 mM	0.2274 mL	1.1371 mL	2.2741 mL
	10 mM	0.1137 mL	0.5685 mL	1.1371 mL

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

BIOLOGICAL ACTIVITY

Description

Boc-Arg-Val-Arg-Arg-AMC hydrochloride (Boc-RVRR-AMC) is a synthetic fluorogenic substrate that is efficiently cleaved by furin[1].

REFERENCES

[1]. Wanyiri JW, et al. Proteolytic processing of the Cryptosporidium glycoprotein gp40/15 by human furin and by a parasite-derived furin-like protease activity. Infect Immun. 2007 Jan;75(1):184-92.

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

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