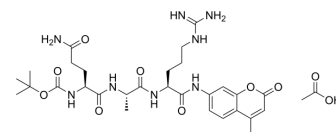


Boc-Gln-Ala-Arg-AMC acetate

Cat. No.: HY-134432B
Molecular Formula: C₃₁H₄₆N₈O₁₀
Molecular Weight: 690.74
Target: Ser/Thr Protease
Pathway: Metabolic Enzyme/Protease
Storage: Sealed storage, away from moisture and light, under nitrogen



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, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (180.97 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.4477 mL	7.2386 mL	14.4772 mL
	5 mM		0.2895 mL	1.4477 mL	2.8954 mL
	10 mM		0.1448 mL	0.7239 mL	1.4477 mL

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

BIOLOGICAL ACTIVITY

Description

Boc-Gln-Ala-Arg-AMC acetate is a fluorogenic substrate for trypsin. Boc-Gln-Ala-Arg-AMC acetate can also be used for measuring the proteolytic activity of TMPRSS2^{[1][2]}.

IC₅₀ & Target

Trypsin^[1]

REFERENCES

[1]. Mosztabacher D, et al. Measuring digestive protease activation in the mouse pancreas. *Pancreatology*. 2020 Mar;20(2):288-292.

[2]. Ko CJ, et al. Inhibition of TMPRSS2 by HAI-2 reduces prostate cancer cell invasion and metastasis. *Oncogene*. 2020 Sep;39(37):5950-5963.

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

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