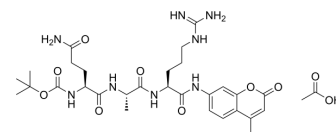


## Boc-Gln-Ala-Arg-AMC acetate

**Cat. No.:** HY-134432B  
**Molecular Formula:** C<sub>31</sub>H<sub>46</sub>N<sub>8</sub>O<sub>10</sub>  
**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<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

Trypsin<sup>[1]</sup>

### 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.

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

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