Z-Gly-Pro-Arg-AMC hydrochloride

Cat. No.: HY-P4217

CAS No.: 201928-42-9

Molecular Formula: $C_{31}H_{38}ClN_7O_7$

Molecular Weight: 656.13

Sequence: Z-Gly-Pro-Arg-AMC

Sequence Shortening: Z-GPR-AMC

Target: Cathepsin

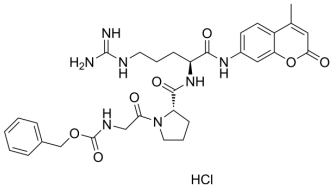
Pathway: Metabolic Enzyme/Protease

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

DMSO : 100 mg/mL (152.41 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	1.5241 mL	7.6204 mL	15.2409 mL
	5 mM	0.3048 mL	1.5241 mL	3.0482 mL
	10 mM	0.1524 mL	0.7620 mL	1.5241 mL

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

BIOLOGICAL ACTIVITY

Description

Z-Gly-Pro-Arg-AMC hydrochloride a fluorescent trypsin and cathepsin K substrate. Z-Gly-Pro-Arg-AMC hydrochloride can be used to determine trypsin and cathepsin K activity[1][2].

REFERENCES

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

[2]. Li WA, et al. Detection of femtomole quantities of mature cathepsin K with zymography. Anal Biochem. 2010 Jun 1;401(1):91-8.

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

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