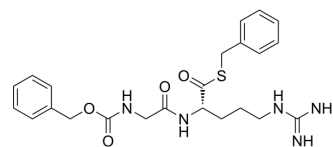


## Z-Gly-Arg-Thiobenzyl ester

Cat. No.:	HY-P5278
CAS No.:	130698-88-3
Molecular Formula:	C <sub>23</sub> H <sub>29</sub> N <sub>5</sub> O <sub>4</sub> S
Molecular Weight:	471.57
Sequence:	{Z}-Gly-Arg-{Thiobenzyl ester}
Sequence Shortening:	{Z}-GR-{Thiobenzyl ester}
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (212.06 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1206 mL	10.6029 mL	21.2058 mL
	5 mM	0.4241 mL	2.1206 mL	4.2412 mL
	10 mM	0.2121 mL	1.0603 mL	2.1206 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Z-Gly-Arg-Thiobenzyl ester is a chromogenic substrate for plasmogen-activated serine proteases<sup>[1]</sup>.

### REFERENCES

[1]. Garrigues, et al. Borrelia burgdorferi ErpB and ErpQ inhibit C1 complex of the classical pathway of complement through a novel mechanism. Retrieved from the Scholarship.

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

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