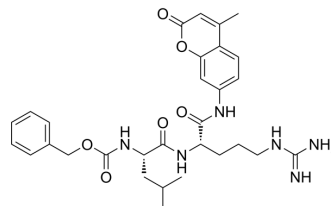


Z-Leu-Arg-AMC

Cat. No.:	HY-142021
CAS No.:	156192-32-4
Molecular Formula:	C ₃₀ H ₃₈ N ₆ O ₆
Molecular Weight:	578.66
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * 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 (172.81 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7281 mL	8.6407 mL	17.2813 mL
	5 mM	0.3456 mL	1.7281 mL	3.4563 mL
	10 mM	0.1728 mL	0.8641 mL	1.7281 mL

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

BIOLOGICAL ACTIVITY

Description

Z-Leu-Arg-AMC is a 4-methylcoumarinyl-7-amide (Amc) leucine derivative with carboxybenzoyl (Z). Z-Leu-Arg-AMC is the active site of cysteine proteinase trypanopain-Tb from *Trypanosoma brucei brucei*^[1].

IC₅₀ & Target

Trypanosoma

REFERENCES

[1]. Troeberg L, et al. Production of anti-peptide antibodies against trypanopain-Tb from *Trypanosoma brucei brucei*: effects of antibodies on enzyme activity against Z-Phe-Arg-AMC. *Immunopharmacology*. 1997 Jun;36(2-3):295-303.

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

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