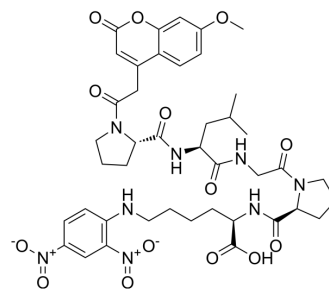


Mca-Pro-Leu-Gly-Pro-D-Lys(Dnp)

Cat. No.:	HY-P3792
CAS No.:	185698-23-1
Molecular Formula:	C ₄₂ H ₅₂ N ₈ O ₁₄
Molecular Weight:	892.91
Sequence Shortening:	Mca-PLGPK(Dnp)
Target:	Others
Pathway:	Others
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 (111.99 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		1.1199 mL	5.5997 mL	11.1993 mL
	5 mM		0.2240 mL	1.1199 mL	2.2399 mL
	10 mM		0.1120 mL	0.5600 mL	1.1199 mL

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

BIOLOGICAL ACTIVITY

Description

Mca-Pro-Leu-Gly-Pro-D-Lys(Dnp) is a FRET substrate of Thimet oligopeptidase. Mca-Pro-Leu-Gly-Pro-D-Lys(Dnp) can be used for the determination of Thimet oligopeptidase activity^[1].

REFERENCES

[1]. Cummins PM, et al. Zinc coordination and substrate catalysis within the neuropeptide processing enzyme endopeptidase EC 3.4.24.15. Identification of active site histidine and glutamate residues. J Biol Chem. 1999 Jun 4;274(23):16003-9.

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

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