

Mca-Pro-Leu-Gly-Leu-Glu-Glu-Ala-Dap(Dnp)-NH₂

Cat. No.:	HY-P4905
CAS No.:	891198-38-2
Molecular Formula:	C ₅₃ H ₇₀ N ₁₂ O ₂₀
Molecular Weight:	1195.19
Sequence:	{Mca}-Pro-Leu-Gly-Leu-Glu-Glu-Ala-{Dap(Dnp)}-NH ₂
Sequence Shortening:	{Mca}-PLGLEEA-{Dap(Dnp)}-NH ₂
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Mca-Pro-Leu-Gly-Leu-Glu-Glu-Ala-Dap(Dnp)-NH ₂ is highly selective substrate for matrix metalloproteases 12 (MMP12) substrate with a kcat/Km value of 1.85*10 ⁵ M ⁻¹ s ⁻¹ , and poor substrate of other MMPs with the exception of MMP13 (kcat/Km = 0.53*10 ⁵ M ⁻¹ s ⁻¹) and MMP9 (0.33*10 ⁵ M ⁻¹ s ⁻¹) ^[1] .
IC ₅₀ & Target	others

REFERENCES

[1]. Sarah Bregant, et al. Detection of matrix metalloproteinase active forms in complex proteomes: evaluation of affinity versus photoaffinity capture. J Proteome Res. 2009 May;8(5):2484-94.

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

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