

Dnp-PYAYWMR

Cat. No.:	HY-P2089
CAS No.:	135662-06-5
Molecular Formula:	C ₅₄ H ₆₅ N ₁₃ O ₁₄ S
Molecular Weight:	1152.24
Sequence:	{DNP}-Pro-Tyr-Ala-Tyr-Trp-Met-Arg
Sequence Shortening:	{DNP}-PYAYWMR
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Dnp-PYAYWMR is a peptide substrate that selectively targets MMP3. Dnp-PYAYWMR is cleaved by MMP3 to produce Dnp-PYA (nonfluorescent) and YWMR (fluorophore detectable at 360 nm). After incubation of MMP3 with Dnp-PYAYWMR for 2 h, MMP3 fluorescence intensity was measured. Ex/Em=328/350 nm ^[1] .
IC ₅₀ & Target	MMP3 ^[1]

REFERENCES

[1]. Li Y, et al. Combination of serum matrix metalloproteinase-3 activity and EBV antibodies improves the diagnostic performance of nasopharyngeal carcinoma. J Cancer. 2020 Aug 18;11(20):6009-6018.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA