

Acetalin-3

Cat. No.:	HY-P10177
CAS No.:	152274-65-2
Molecular Formula:	C ₄₂ H ₆₁ N ₁₁ O ₈ S ₂
Molecular Weight:	912.13
Sequence:	Ac-Arg-Phe-Met-Trp-Met-Thr-NH ₂
Sequence Shortening:	Ac-RFMWMT-NH ₂
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Acetalin-3 (Ac-RFMWMT-NH ₂), a hexapeptide, is a μ opioid receptor antagonist with high affinity for μ and κ 3 opioid receptor, weak affinity for κ 1 receptors and no affinity for κ 2 receptors ^[1] .
IC ₅₀ & Target	μ Opioid Receptor/MOR

REFERENCES

[1]. C T Dooley, et al. Acetalins: opioid receptor antagonists determined through the use of synthetic peptide combinatorial libraries. Proc Natl Acad Sci U S A. 1993 Nov 15;90(22):10811-5.

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

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