

Lunasin

Cat. No.:	HY-P5285
CAS No.:	496823-34-8
Molecular Formula:	C ₂₀₄ H ₃₂₁ N ₆₅ O ₇₈ S ₃
Molecular Weight:	5028.32
Sequence:	Ser-Lys-Trp-Gln-His-Gln-Gln-Asp-Ser-Cys-Arg-Lys-Gln-Leu-Gln-Gly-Val-Asn-Leu-Thr-Pro-Cys-Glu-Lys-His-Ile-Met-Glu-Lys-Ile-Gln-Gly-Arg-Gly-Asp-Asp-Asp-Asp-Asp-Asp-Asp-Asp-Asp-Asp
Sequence Shortening:	SKWQHQQDSCRKQLQGVNLTPEKHIMEKIQGRGDDDDDDDDDD
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Lunasin is a bioactive peptide with antioxidant, anti-inflammatory, anticancer and anti-aging properties. Lunasin can be isolated from soybean. Lunasin also has an epigenetic mechanism of action associated with histone acetylation. Lunasin can be internalized into cells and inhibit Oncosphere formation in cancer cells ^[1] .
In Vitro	Lunasin consists of four parts, including the tail of aspartic acid (D) and the RGD motif. The RGD motif determines the internalization of Lunasin into cells and its anti-transformation effect, and is associated with Lunasin-induced inhibition of metacercaria formation in the melanoma cell line A375 ALDHhigh ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Alves de Souza SM, et al. Lunasin as a Promising Plant-Derived Peptide for Cancer Therapy. Int J Mol Sci. 2022 Aug 23;23(17):9548.

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