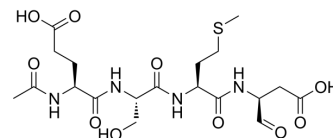


Ac-ESMD-CHO

Cat. No.:	HY-P3234
CAS No.:	191338-87-1
Molecular Formula:	C ₁₉ H ₃₀ N ₄ O ₁₀ S
Molecular Weight:	506.53
Sequence:	Ac-Glu-Ser-Met-Asp-CHO
Sequence Shortening:	Ac-ESMD-CHO
Target:	Casein Kinase
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ac-ESMD-CHO is an inhibitor of caspase-3 and caspase-7. Ac-ESMD-CHO inhibits proteolytic cleavage of the caspase-3 precursor peptide (CPP32) at the Glu-Ser-Met-Asp (ESMD) site ^{[1][2]} .
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REFERENCES

[1]. Hayashida M, et al. Cell death induction by CTL: perforin/granzyme B system dominantly acts for cell death induction in human hepatocellular carcinoma cells. Proc Soc Exp Biol Med. 2000 Nov;225(2):143-50.

[2]. Agniswamy J, et al. Plasticity of S2-S4 specificity pockets of executioner caspase-7 revealed by structural and kinetic analysis. FEBS J. 2007 Sep;274(18):4752-65.

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

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