Epsilon-V1-2, Cys-conjugated

Cat. No.:	HY-P5439
Molecular Formula:	$C_{40}H_{70}N_{10}O_{14}S$
Molecular Weight:	947.11
Sequence:	Glu-Ala-Val-Ser-Leu-Lys-Pro-Thr-Cys
Sequence Shortening:	EAVSLKPTC
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Epsilon-V1-2, Cys-conjugated is a biological active peptide. (This peptide is the εPKC specific inhibitor. Its inhibitory activity is based on εPKC translocation and MARCKS phosphorylation. This peptide interferes with εPKC interaction with the anchoring protein εRACK. This peptide contains a cysteine residue added to the C-terminus for potential S-S bond formation with a carrier protein.Pyroglutamyl (pGlu) peptides may spontaneously form when either Glutamine (Q) or Glutamic acid (E) is located at the sequence N-terminus. The conversion of Q or E to pGlu is a natural occurrence and in general it is believed that the hydrophobic γ-lactam ring of pGlu may play a role in peptide stability against gastrointestinal proteases. Pyroglutamyl peptides are therefore considered a normal subset of such peptides and are included as part of the peptide purity during HPLC analysis.)

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