

## Epsilon-V1-2, Cys-conjugated

## Chemical Properties

CAS No. :

Formula: C40H70N10O14S

Molecular Weight: 947.11

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Epsilon-V1-2, a Cys-conjugated, is a biologically active peptide known as the $\epsilon$ PKC-specific inhibitor. It hampers $\epsilon$ PKC functionality by obstructing its translocation and the phosphorylation of MARCKS, additionally perturbing $\epsilon$ PKC's interaction with its anchoring protein, $\epsilon$ RACK. The peptide includes a cysteine residue at its C-terminus, facilitating the formation of potential disulfide bonds with carrier proteins. Pyroglutamyl formation can occur spontaneously at the N-terminus if glutamine or glutamic acid is present, enhancing peptide stability against gastrointestinal proteases. Pyroglutamyl peptides, a recognized subset, are accounted for in the peptide's purity during HPLC analysis.
Targets(IC50)	PKC

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0558 mL	5.2792 mL	10.5584 mL
5 mM	0.2112 mL	1.0558 mL	2.1117 mL
10 mM	0.1056 mL	0.5279 mL	1.0558 mL
50 mM	0.0211 mL	0.1056 mL	0.2112 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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