

Cyclic(YCDGFYACYMDV)

Chemical Properties

CAS No. : 535959-77-4

Formula: C₆₅H₈₂N₁₂O₂₀S₃

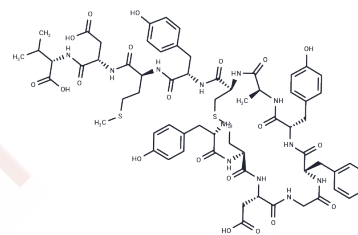
Molecular Weight: 1447.61

Appearance:

Storage:

keep away from moisture

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



Biological Description

Description	Cyclic(YCDGFYACYMDV) is a HER2 signaling pathway inhibitor with anticancer properties. In aqueous solution, Cyclic(YCDGFYACYMDV) self-assembles into nanoparticles that target HER2 on cancer cells, converting into nanofibrils. This process disrupts HER2 dimerization and subsequent downstream signaling, leading to apoptosis (Apoptosis) of cancer cells. Its inhibitory effect on HER2-positive breast cancer has been demonstrated as effective in mouse xenograft models.
Targets(IC ₅₀)	Apoptosis, EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6908 mL	3.454 mL	6.9079 mL
5 mM	0.1382 mL	0.6908 mL	1.3816 mL
10 mM	0.0691 mL	0.3454 mL	0.6908 mL
50 mM	0.0138 mL	0.0691 mL	0.1382 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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