

Ac-MRGDH-NH2

Chemical Properties

CAS No. :

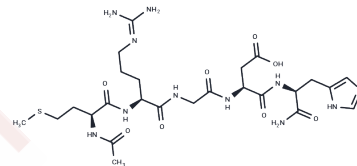
Formula: C25H41N11O8S

Molecular Weight: 655.727

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	Ac-MRGDH-NH2 is a pentapeptide containing the RGD sequence. It is utilized in the synthesis of the diastereomeric prodrugs Λ - and Δ -[Ru(Ph2phen)2(κ S, κ N-(Ac-MRGDH-NH2))]Cl2. In these prodrugs, Ac-MRGDH-NH2 serves as a photolabile protecting group for the cytotoxic diruthenium aqua complexes [Ru(Ph2phen)2(OH2)2]2+, offering integrin targeting and photoactivation properties. Consequently, Ac-MRGDH-NH2 can be applied in studies exploring tumor-targeted photoactivatable chemotherapy.
Targets(IC50)	Integrin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.525 mL	7.6251 mL	15.2502 mL
5 mM	0.305 mL	1.525 mL	3.050 mL
10 mM	0.1525 mL	0.7625 mL	1.525 mL
50 mM	0.0305 mL	0.1525 mL	0.305 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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