

HAIYPRH hydrochloride

Chemical Properties

CAS No. :

Formula: C₄₁H₆₁ClN₁₄O₉

Molecular Weight: 929.46

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	HAIYPRH hydrochloride is a targeting ligand that specifically binds to the transferrin receptor (TfR) and facilitates the transport of nanocarriers across the blood-brain barrier [1].
Targets(IC50)	Others
In vitro	HAIYPRH hydrochloride (T7), a heptapeptide, is conjugated to liposomes to target ischemic stroke for the delivery of a novel neuroprotectant [2]. Additionally, this compound is utilized for glioma targeting [3].
In vivo	HAIYPRH hydrochloride, selected for its transferrin receptor specificity, targets the co-delivery system to tumor cells that express these receptors. The HAIYPRH-modified system demonstrates enhanced cellular uptake and gene expression compared to its unmodified counterpart in U87 MG cells and exhibits more efficient tumor accumulation in vivo [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0759 mL	5.3795 mL	10.7589 mL
5 mM	0.2152 mL	1.0759 mL	2.1518 mL
10 mM	0.1076 mL	0.5379 mL	1.0759 mL
50 mM	0.0215 mL	0.1076 mL	0.2152 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481