

transferrin fragment

Chemical Properties

CAS No. :

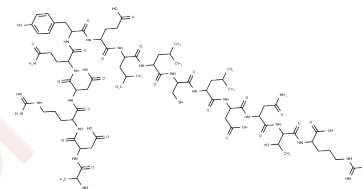
Formula: C75H121N23O28S

Molecular Weight: 1824.97

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	Transferrin is the principal iron-binding protein in animal serum and is analogous in its iron-binding site and properties to lactoferrin ¹ . Human transferrin is a single-chain glycoprotein of molecular weight near 80,000. The molecule is arranged in two lobes, each bearing a single metal-binding site.
Targets(IC50)	Others
In vitro	Although similar in ligand structure ^{2, 3} , the sites are distinguishable in many of their properties ^{4, 5} . Sequence homology between the lobes ⁶ and internal homology in the organization of the transferrin gene ⁷ establishes that the modern protein arose by duplication and fusion of a primitive gene specifying a single-sited transferrin precursor protein. Each lobe of the transferrin molecule contains a recognition site for the chick receptor, and that both lobes are required for binding to receptor ⁸ . The receptor-binding activity of human transferrin is essentially confined to the C-terminal lobe and is preserved in the C-fragment even in the absence of the N-fragment.

Solubility Information

Solubility	DMSO: ≥182.4 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.548 mL	2.7398 mL	5.4795 mL
5 mM	0.1096 mL	0.548 mL	1.0959 mL
10 mM	0.0548 mL	0.274 mL	0.548 mL
50 mM	0.011 mL	0.0548 mL	0.1096 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