

TfR-T12 TFA

## Chemical Properties

CAS No. :

Formula: C73H100F3N19O17S

Molecular Weight:

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	TfR-T12 TFA, a transferrin receptor (TfR)-binding peptide capable of crossing the blood-brain barrier (BBB), exhibits nanomolar (nM) binding affinity [1] [2].
Targets(IC50)	Others
In vitro	TfR-T12, a synthetic peptide discovered through phage display, selectively binds to an alternative site on the transferrin receptor (TfR) distinct from transferrin's binding site. Once bound, it facilitates the internalization of the complex into cells expressing TfR [1]. Additionally, TfR-T12 can be covalently attached to a pegylated lipid, specifically 3-(N-succinimidylxyglutaryl)aminopropyl-polyethyleneglycol(2000)-carbonyl distearoyl phosphatidylethanolamine (NHS-PEG2000-DSPE). This conjugation enables its use in the development of multifunctional lipid vesicles [2].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481