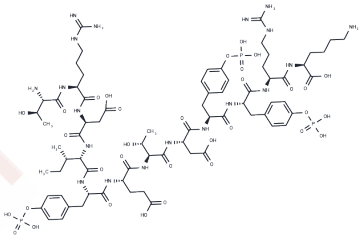
Data Sheet (Cat.No.TP1259)

TargetMol

[pTyr1146][pTyr1150][pTyr1151]Insulin Receptor (1142-1153)

Chemical Properties



CAS No. : 141171-54-2

Formula: C72H110N19O33P3

Molecular Weight: 1862.67

Storage: Keep away from moisture
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	[pTyr1146][pTyr1150][pTyr1151]Insulin Receptor (1142-1153) acts as a substrate for insulin receptor tyrosine kinase, binding effectively to insulin with potential applications in scientific research and medicine.
Targets(IC50)	IGF-1R

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5369 mL	2.6843 mL	5.3686 mL
5 mM	0.1074 mL	0.5369 mL	1.0737 mL
10 mM	0.0537 mL	0.2684 mL	0.5369 mL
50 mM	0.0107 mL	0.0537 mL	0.1074 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.

Reference

Shintani T, et al. The R3 receptor-like protein tyrosine phosphatase subfamily inhibits insulin signalling by dephosphorylating the insulin receptor at specific sites. J Biochem. 2015 Sep;158(3):235-43.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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