

RI-STAD-2

## Chemical Properties

CAS No. :

Formula: C109H181N25O35

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	RI-STAD-2 is a high-affinity peptide that interferes with the regulatory subunit RI of protein kinase A (PKA). It disrupts the binding between A-kinase anchoring proteins (AKAPs) and PKA-RI by mimicking the $\alpha$ -helical domain of AKAPs, interacting with the dimerization/docking (D/D) domain of PKA-RI. This disruption affects the activity and intracellular localization of PKA. RI-STAD-2 is utilized in studying the role of AKAPs and PKA-RI interactions in pathological processes such as cardiovascular diseases and cancer.
Targets(IC50)	PKA

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