

ssK36

Chemical Properties

CAS No. :

Formula: C79H127N29O18

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	ssK36 is a super-substrate peptide derived from the histone methyltransferase (SET) domain protein 2 (SETD2). This peptide was specifically designed for SETD2, a unique PKMT responsible for methylating the 36th lysine residue on histone H3 (H3K36) in human cells, resulting in H3K36me3. Remarkably, ssK36 undergoes methylation by SETD2 at a rate over 100 times faster than the natural substrate H3K36. ssK36 serves as a valuable tool for investigating the catalytic mechanisms of PKMTs, particularly regarding substrate specificity and catalytic efficiency.
Targets(IC50)	Histone Methyltransferase

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