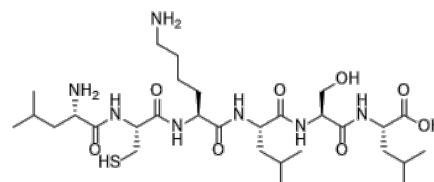


Product Name : LCKLSL
Cat. No. : PC-24942
CAS No. : 533902-29-3
Molecular Formula : C₃₀H₅₇N₇O₈S
Molecular Weight : 675.89
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 533902-29-3

Biological Activity

LCKLSL (Leu-Cys-Lys-Leu-Ser-Leu) is a potent, specific hexapeptide competitive inhibitor of Annexin A2 (AnxA2), inhibits tissue plasminogen activator (tPA)-binding capacity with IC₅₀ of 11 uM.

LCKLSL targets the N-terminal tPA-binding site of AnxA2, binds efficiently to cell-surface AnxA2 compared with binding of the control peptide LGKLSL.

LCKLSL inhibits the generation of plasmin and suppresses the VEGF-induced activity of tPA under hypoxic conditions.

LCKLSL prevents hypoxia-induced angiogenic events in in vivo models of angiogenesis.

References

Hajjar KA, et al. J Biol Chem. 1998 Apr 17;273(16):9987-93.

Valapala M, et al. J Cell Sci. 2011 May 1;124(Pt 9):1453-64.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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