

Data Sheet (Cat.No.TP1833)

SLLK, Control Peptide for TSP1 Inhibitor(TFA)(464924-27-4,free)

Chemical Properties

CAS No.:	464924-27-4
Formula:	C ₂₁ H ₄₁ N ₅ O ₆
Molecular Weight:	459.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	SLLK is a control peptide for LSKL.
In vivo	TGF-β1 is significantly lower (0.10±0.01 pg/mL) in the plasma of mice receiving LSKL compared with that in plasma of mice receiving SLLK control peptide at day 42 (0.20±0.02 pg/mL; P=0.0001). mR expression is assessed in the suprarenal aortic lysates obtained from mice receiving SLLK and LSKL peptides[1]. Akita mice treated with 30 mg/kg LSKL have significantly increased nephrin expression, greater than twofold, compared with rel lysates from either saline controls or SLLK-treated mice[2].

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.176 mL	10.879 mL	21.759 mL
5 mM	0.435 mL	2.176 mL	4.352 mL
10 mM	0.218 mL	1.088 mL	2.176 mL
50 mM	0.044 mL	0.218 mL	0.435 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Krishna SM, et al. A peptide antagonist of thrombospondin-1 promotes abdominal aortic aneurysm progression in the angiotensin II-infused apolipoprotein-E-deficient mouse. *Arterioscler Thromb Vasc Biol.* 2015 Feb;35(2):389-98.
2. Laurent MA, et al. In silico characterization of the interaction between LSKL peptide, a LAP-TGF-beta derived peptide, and ADAMTS1. *Comput Biol Chem.* 2016 Apr;61:155-61.
3. Kuroki H, et al. Effect of LSKL peptide on thrombospondin 1-mediated transforming growth factor β signal activation and liver regeneration after hepatectomy in an experimental model. *Br J Surg.* 2015 Jun;102(7):813-25.

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