

SEB Domain (152-161)

Cat. No.: HY-P1900
CAS No.: 210229-94-0
Molecular Formula: C₉₀H₉₀N₁₄O₁₇
Molecular Weight: 1159.33
Sequence: Lys-Lys-Lys-Val-Thr-Ala-Gln-Glu-Leu-Asp
Sequence Shortening: KKKVTAQELD
Target: Others
Pathway: Others
Storage: Sealed storage, away from moisture and light
 Powder -80°C 2 years
 -20°C 1 year

KKKVTAQELD

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (86.26 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.8626 mL	4.3128 mL	8.6257 mL
	5 mM		0.1725 mL	0.8626 mL	1.7251 mL
	10 mM		0.0863 mL	0.4313 mL	0.8626 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SEB Domain (152-161) is Staphylococcal Enterotoxin B domain amino acid residue 152-161. Staphylococcal enterotoxin B (SEB) is a toxin produced by Staphylococcus aureus. SEB Domain (152-161) is highly conserved and can inhibit transcytosis of multiple staphylococcal enterotoxins, SEA, SEE, and TSST-1^{[1][2]}.

CUSTOMER VALIDATION

- Kidney Blood Press Res. 2023 Mar 6.

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REFERENCES

- [1]. Shupp JW, et al. Identification of a transcytosis epitope on staphylococcal enterotoxins. Infect Immun. 2002 Apr;70(4):2178-86.
- [2]. Rödström KE, et al. Structure of the superantigen staphylococcal enterotoxin B in complex with TCR and peptide-MHC demonstrates absence of TCR-peptide contacts. J Immunol. 2014 Aug 15;193(4):1998-2004.
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Caution: Product has not been fully validated for medical applications. For research use only.

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