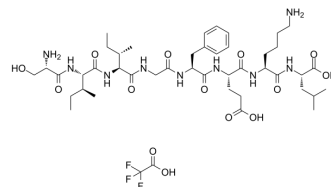


OVA G4 peptide TFA

Cat. No.:	HY-P1771A
Molecular Formula:	C ₄₅ H ₇₂ F ₃ N ₉ O ₁₄
Molecular Weight:	1020.1
Sequence:	Ser-Ile-Ile-Gly-Phe-Glu-Lys-Leu
Sequence Shortening:	SIIGFEKL
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



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

SOLVENT & SOLUBILITY

In Vitro

H₂O : 6.67 mg/mL (6.54 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.9803 mL	4.9015 mL	9.8030 mL
	5 mM	0.1961 mL	0.9803 mL	1.9606 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

OVA G4 peptide TFA is a variant of the agonist ovalbumin (OVA) peptide SIIGFEKL (257-264). SIIGFEKL is routinely used to stimulate ovalbumin-specific T cells and to test new vaccine adjuvants can form a stable hydrogel^{[1][2]}.

REFERENCES

- [1]. François P, et al. Phenotypic model for early T-cell activation displaying sensitivity, specificity, and antagonism. Proc Natl Acad Sci U S A. 2013 Mar 5;110(10):E888-97.
- [2]. Kamalov M, et al. Ovalbumin Epitope SIIGFEKL Self-Assembles into a Supramolecular Hydrogel. Sci Rep. 2019 Feb 25;9(1):2696.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA