

Pepinh-TRIF TFA

Chemical Properties

CAS No. :

Formula: C180H279F3N58O40S2

Molecular Weight:

Storage:

Store at low temperature, Keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.

RQIKIWFQNRMMKWK
 KFCEEFQVPGEHELH-
 NH₂(TFA salt)

Biological Description

Description	Pepinh-TRIF TFA is a 30 aa peptide associated with the immune system that blocks TRIF signaling by interfering with TLR-TRIF interaction (TLR-TRIF interaction).
Targets(IC50)	Raf,TLR
In vitro	Pepinh-TRIF TFA (40 μM, 6 h) effectively blocked polyI: C or flagellin-stimulated IL-33 expression and production, and significantly inhibited stimulated IκB-α phosphorylation and its degradation in HCECs. [1] In addition, Pepinh-TRIF TFA blocked NF-κB activation by inhibiting the intranuclear translocation of p65 protein. [1]

Solubility Information

Solubility	H ₂ O: 40.01 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Hasan A, et al. TNF-α in Combination with Palmitate Enhances IL-8 Production via The MyD88- Independent TLR4 Signaling Pathway: Potential Relevance to Metabolic Inflammation. Int J Mol Sci. 2019 Aug 23;20(17):4112.

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