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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



F1 (trifluoroacetate salt)

Item No. 35846

Synonyms: Tat-IKIP (46-60), Tat-Inhibitor of NF-κB
Kinase-interacting Peptide

Peptide Sequence: YGRKKRRQRRRLSLAMTLGLAWLVF-OH H-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Leu-Leu-Ser-Leu-Ala-Met-Thr-Leu-Gly-Leu-Ala-Trp-Leu-Val-Phe-OH

MF: C₁₄₅H₂₄₆N₄₈O₃₁S • XCF₃COOH • XCF₃COOH

FW: 3,189.9

Purity: ≥98%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

F1 (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the F1 (trifluoroacetate salt) in water. We do not recommend storing the aqueous solution for more than one day.

Description

F1 is an anti-inflammatory peptide composed of the HIV-1 Tat protein transduction domain linked to a 15-amino acid peptide corresponding to residues 46-60 of inhibitor of NF-κB kinase-interacting peptide (IKIP).¹ It inhibits LPS-induced phosphorylation of IκB kinase α (IKKα) and IKKβ and nuclear translocation of NF-κB (p65) in isolated mouse peritoneal macrophages when used at a concentration of 5 μM. *In vivo*, F1 (5 mg/kg) decreases serum levels of IL-6, TNF-α, and IL-1β and increases survival in a mouse model of LPS-induced sepsis.

Reference

1. Liu, H., Yan, Z., Zhao, Y., et al. A peptide derived from IKK-interacting protein attenuates NF-κB activation and inflammation. *J. Immunol.* 207(6), 1652-1661 (2021).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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