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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Tat-braftide

Cat. No.:	HY-P10438
Molecular Formula:	C ₁₂₈ H ₂₂₇ N ₅₁ O ₃₀ S
Molecular Weight:	2992.56
Sequence:	Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Pro-Gln-{X}-Thr-Arg-His-Val-Asn-Ile-Leu-Leu-Phe-Met X=-NH-CH ₂ -CH ₂ -O-CH ₂ -CH ₂ -O-CH ₂ -C=O-
Sequence Shortening:	GRKKRRQRRR-{X}-TRHVNILLFM X=-NH-CH ₂ -CH ₂ -O-CH ₂ -CH ₂ -O-CH ₂ -C=O-
Target:	Raf
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Tat-braftide is a peptide inhibitor designed to block the dimerization of BRAF, thereby inhibiting its kinase activity. The destruction of BRAF dimer by Tat-braftide makes BRAF protein more susceptible to proteasome degradation, directly inhibits the activity of BRAF kinase, and reduces the activation of MAPK signaling pathway. Tat-braftide can be used for the role of RAF kinase in MAPK signaling pathway and for the study of BRAF mutant cancers^[1].

REFERENCES

[1]. Gunderwala A Y, et al. Development of allosteric BRAF peptide inhibitors targeting the dimer interface of BRAF[J]. ACS chemical biology, 2019, 14(7): 1471-1480.

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

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