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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Pip6a

Cat. No.:	HY-P10567
Molecular Formula:	C ₁₃₀ H ₂₃₁ N ₅₃ O ₂₆
Molecular Weight:	2952.56
Sequence:	Ac-Arg-{Ahx}-Arg-Arg-{b-Ala}-Arg-Arg-{Ahx}-Arg-Tyr-Gln-Phe-Leu-Ile-Arg-{Ahx}-Arg-{b-Ala}-Arg-{Ahx}-Arg-{b-Ala}
Sequence Shortening:	Ac-R-{Ahx}-RR-{b-Ala}-RR-{Ahx}-RYQFLIR-{Ahx}-R-{b-Ala}-R-{Ahx}-R-{b-Ala}
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Pip6a is an arginine-rich cell-penetrating peptide. Pip6a has the ability to deliver associated cargoes across the plasma and endosomal membranes and is stable to serum proteolysis. Pip6a is composed of a hydrophobic core region flanked on each side by arginine-rich domains containing β-alanine and aminohexanoyl spacers. Pip6a-conjugated morpholino phosphorodiamidate oligomer (PMO) dramatically enhanced antisense oligonucleotide (ASO) delivery into striated muscles of myotonic dystrophy (DM1) mice^[1].

REFERENCES

[1]. Arnaud F Klein, et al. Peptide-conjugated oligonucleotides evoke long-lasting myotonic dystrophy correction in patient-derived cells and mice. *J Clin Invest.* 2019 Nov 1;129(11):4739-4744.

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

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