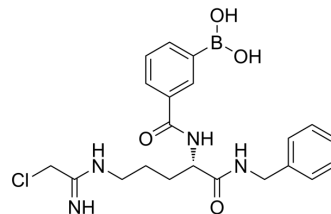


PAD4-IN-3

Cat. No.:	HY-157157
CAS No.:	2642327-44-2
Molecular Formula:	C ₂₁ H ₂₆ BClN ₄ O ₄
Molecular Weight:	444.72
Target:	Protein Arginine Deiminase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PAD4-IN-3 (compound 4B) is a PAD4 inhibitor with antitumor activity in vitro and in vivo. PAD4-IN-3 was covalently linked to RGD sequence peptide-modified chitosan (K-CRGDV), resulting in an enhanced oxidative stress-responsive nanoagent. K-CRGDV-PAD4-IN-3 can actively target tumors, inhibit PAD4 activity, block the formation of neutrophil extracellular traps (NETs), and improve the tumor immune microenvironment in response to the tumor microenvironment ^[1] .
IC ₅₀ & Target	PAD4 ^[1]

REFERENCES

[1]. Jia Y et al. Chitosan nanomedicine containing RGD peptide and PAD4 inhibitor based on phenyl boronate coupling inhibition of primary tumor growth and lung metastasis. *Biomed Pharmacother.* 2023 Dec;168:115826.

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

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