

Product Datasheet

PPZ-A10

Catalog No. **BP-02458** · CAS **2941268-67-1** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0**
· Revision **2026-09-11**

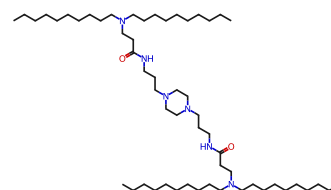
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Target Liposome	Research area Inflammation/Immunology; Cancer
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Molecular formula **C₅₆H₁₁₄N₆O₂**

Molecular weight **903.5434**

STRUCTURE



DESCRIPTION

PPZ-A10 is an ionizable cationic lipid. PPZ-A10 preferentially delivers mRNA to liver and spleen immune cells. Pi-LNPs containing PPZ-A10 can effectively deliver mRNA/siRNA to solid tumors .

SOLUBILITY

Soluble in DMSO

REFERENCES

[1].Ni H, et al. Piperazine-derived lipid nanoparticles deliver mRNA to immune cells in vivo. Nat Commun. 2022;13(1):4766.

[2]. Subhan MA, et al. Biopolymer-Based Nanosystems for siRNA Drug Delivery to Solid Tumors including Breast Cancer. Pharmaceutics. 2023 Jan 1;15(1):153.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

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