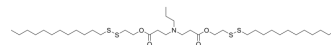


## PPPDA-O16B

Cat. No.:	HY-159711
Molecular Formula:	C <sub>37</sub> H <sub>73</sub> NO <sub>4</sub> S <sub>4</sub>
Molecular Weight:	724.24
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PPPDA-O16B is a lipid containing disulfide bonds used for DNA delivery. PPPDA-O16B can encapsulate DNA plasmid, releasing DNA selectively via lipid degradation catalyzed by GSH <sup>[1]</sup> .
In Vivo	PPPDA-O16B can deliver the bacterial effector protein, DUF5, to degrade mutant RAS and inactivate downstream MAPK signaling cascades to suppress cancer cell growth in vitro and in tumor-bearing mouse xenografts <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Wenting Li, et al. Intracellular delivery of bacterial effectors for cancer therapy using biodegradable lipid nanoparticles. *Biomater Sci.* 2023 May 2;11(9):3172-3179.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA