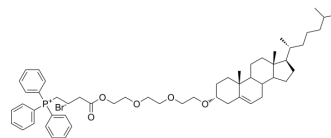


## (R)-Chol-TPP

**Cat. No.:** HY-144768  
**Molecular Formula:** C<sub>55</sub>H<sub>78</sub>BrO<sub>5</sub>P  
**Molecular Weight:** 930.08  
**Target:** Liposome  
**Pathway:** Metabolic Enzyme/Protease  
**Storage:** 4°C, sealed storage, away from moisture and light  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (107.52 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0752 mL	5.3759 mL	10.7518 mL
	5 mM	0.2150 mL	1.0752 mL	2.1504 mL
	10 mM	0.1075 mL	0.5376 mL	1.0752 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

(R)-Chol-TPP a mitochondria targeting liposome ligand could be used in pH-redox responsive<sup>[1]</sup>.

### REFERENCES

[1]. Yi Zhao, et al. pH-redox responsive cascade-targeted liposomes to intelligently deliver doxorubicin prodrugs and lonidamine for glioma. Eur J Med Chem. 2022 May 5;235:114281.

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

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