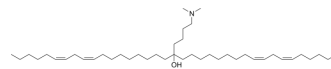


## YSK 12C4

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-160852   |
| CAS No.:           | 1829511-70-7  |
| Molecular Formula: | C <sub>43</sub> H <sub>81</sub> NO  |
| Molecular Weight:  | 628.11  |
| Target:            | Liposome  |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

YSK 12C4 is an ionizable cationic lipid primarily used to enhance siRNA cellular delivery via multifunctional envelope-type nanodevices (MEND). YSK 12C4 promotes siRNA uptake and endosomal escape, effectively silencing genes in human immune cell lines<sup>[1]</sup>.

### REFERENCES

[1]. Nakamura T, et al. Small-sized, stable lipid nanoparticle for the efficient delivery of siRNA to human immune cell lines. *Sci Rep.* 2016 Nov 28;6:37849.

**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