

## Product Data Sheet

Product Name: Cho-es-Lys

Cat. No.: GC90592

### Chemical Properties

Cas. No. 1356250-80-0

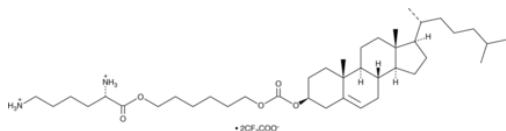
Formula  $C_{40}H_{72}N_2O_5 \cdot 2CF_3COO$  M.Wt 887.1

Solubility Ethanol: 2 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

Cho-es-Lys is a cationic cholesterol derivative composed of cholesterol conjugated to an L-lysine head group containing two primary amines ( $pK_a$ s = 10.48 and 9.46) via a hexanediol linker.<sup>1,2</sup> It has been used for transfection of Cy3-pDNA in COS-7 cells. Cho-es-Lys nanocomplexes containing luciferase siRNA reduce luciferase levels *in vitro*.<sup>2</sup>

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

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