

Cholesterol Sulfate, sodium salt (SCS)

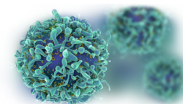
Catalog: Lipo-471

Cholesterol sulfate is an endogenous component of cell membranes where it serves as a substrate for steroid synthesis, influences lipid metabolism, stabilizes cell membranes, regulates the activity of functional proteins, and plays a role in keratinocyte differentiation and development of the epidermal barrier. This synthetic formulation can be used to form nonconventional liposomes in order to study cellular membrane properties.

PRODUCT INFORMATION

Product Name	Cholesterol Sulfate, sodium salt (SCS)
Catalog Number	Lipo-471
CAS	2864-50-8
Product Overview	Cholesterol sulfate is an endogenous component of cell membranes where it serves as a substrate for steroid synthesis, influences lipid metabolism, stabilizes cell membranes, regulates the activity of functional proteins, and plays a role in keratinocyte differentiation and development of the epidermal barrier. This synthetic formulation can be used to form nonconventional liposomes in order to study cellular membrane properties.
Purity	95%
Application	Liposome production
Molecular Mass	488.7
Storage	Store at -20°C.
Synonyms	SCS; Sodium Cholesteryl Sulfate; 2864-50-8

USAGE GUIDELINES



General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.