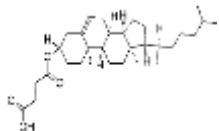


PRODUCT: Cholesteryl hemisuccinate**ALTERNATE NAMES:** 3 β -Hydroxy-5-cholestene 3-hemisuccinate; 5-Cholesten-3 β -ol 3-hemisuccinate; CHS**CATALOG NUMBER:** B1978-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** C₃₁H₅₀O₄**MOLECULAR WEIGHT:** 486.73**CAS NUMBER:** 1510-21-0**APPEARANCE:** White to off-white solid**SOLUBILITY:** EtOH (warm; with faint turbidity)**PURITY:** \geq 95%**STORAGE:** Store at -20 °C. Protect from air and moisture**DESCRIPTION:** Cholesteryl hemisuccinate is a useful cholesterol-based detergent that increases the stability of G protein-coupled receptors (GPCRs). Together with mutagenesis studies and recent GPCR structures, it has been determined that stabilization is attained through a combination of specific sterol binding to GPCRs and modulation of micelle morphology.**REFERENCES:** Thompson, A.A., *et al.* (2011). *Methods* **55**, 310-317.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**ASB-14 (**Cat. No. 1738-5G, 25G**)ASB-16 (**Cat. No. 2136-1G, 5G**)CHAPS, High Purity (**Cat. No. 1545-10G, 50G, 500G, 1 Kg**)Digitonin, Water-soluble (**Cat. No. 2081-100, 250, 1000**)EZSolution™ Digitonin, Water-soluble (**Cat. No. 2082-1**)NP-40 Substitute Detergent, MegaPure™ 10% Solution (**Cat. No. 2127-50, 100, 500**)Octyl- β -D-glucopyranoside (**Cat. No. 1646-5G, 25G, 50G**)Octyl- β -D-thioglucopyranoside (**Cat. No. 1782-1G, 5G, 50G, 100G**)NP-40 (10% Solution in H₂O) (**Cat. No. 2111-100**)Pluronic® F-127 (**Cat. No. 2730-10G, 50G**)SDS Solution (10% Solution in H₂O) (**Cat. No. 2102-100**)Sulfobetaine 3-16 (**Cat. No. 1777-5G, 25G**)Triton X-100 (10% Solution in H₂O) (**Cat. No. 2104-100**)Triton X-100), MegaPure™ Detergent, 10% Solution (**Cat. No. 2124-50, 100, 500**)Triton X-114), MegaPure™ Detergent, 10% Solution (**Cat. No. 2137-50, 100, 500**)Tween® 20 (10% Solution in H₂O) (**Cat. No. 2111-100**)Tween® 20, MegaPure™, Detergent, 10% Solution (**Cat. No. 2125-50, 100, 500**)Tween® 80, MegaPure™, Detergent, 10% Solution (**Cat. No. 2126-50, 100, 500**)Tyloxapol, USP (**Cat. No. B1158-5G, 25G**)Tyloxapol (10%) solution (**Cat. No. B1159-50, 250**)Tyloxapol, MegaPure™ Detergent (10%) solution (**Cat. No. B1160-50, 250**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**