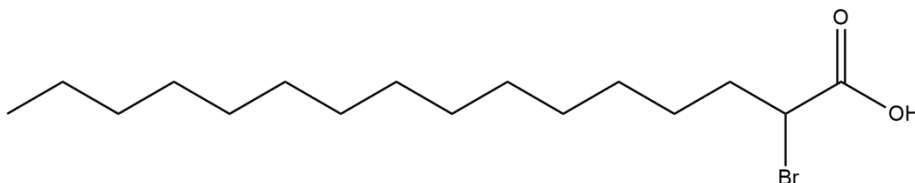


2-Bromopalmitic acid

04/21

ALTERNATE NAME: 2-Bromohexadecanoic acid**CATALOG #:** B3128-100 100 mg
B3128-500 500 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₆H₃₁BrO₂**MOLECULAR WEIGHT:** 335.32**CAS NUMBER:** 18263-25-7**APPEARANCE:** White crystalline powder**PURITY:** ≥ 95%**SOLUBILITY:** ~100 mg/ml in methanol**DESCRIPTION:** 2-Bromopalmitic acid is a fatty acid oxidation inhibitor. It inhibits carnitine palmitoyltransferase-1 (CPT1) and is also an inhibitor of protein palmitoylation. It significantly increases retinoic acid receptor alpha (RAR α) protein level at a concentration of 5 μ M. It overcomes all-trans retinoic acid (ATRA) resistance in acute promyelocytic leukemia.**STORAGE TEMPERATURE:** -20 °C**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**REFERENCE:** Lu, Y., Yan, J-S., Xia, L. et al. 2-Bromopalmitate targets retinoic acid receptor alpha and overcomes all-trans retinoic acid resistance of acute promyelocytic leukemia. *Haematologica* 104(1):102-112 (2019).**RELATED PRODUCTS:**VLX600 (Cat. No. B2849)
(R)-(+)-Etomoxir (Cat. No. B1104)
CP-640186 (Cat. No. 9422)
Dithranol (Cat. No. B3203)
SKQ1 Bromide (Cat. No. B2584)**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*