11-cis Vaccenyl Acetate
Item No. 10010101

CAS Registry No.: 6186-98-7
Formal Name: (11Z)-11-octadecen-1-ol acetate
MF: C\textsubscript{20}H\textsubscript{38}O\textsubscript{2}
FW: 310.5
Purity: ≥98%
Stability: ≥1 year at -20°C
Supplied as: A solution in ethanol

Laboratory Procedures
For long term storage, we suggest that 11-cis vaccenyl acetate be stored as supplied at -20°C. It will be stable for at least one year.

11-cis Vaccenyl acetate is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of 11-cis vaccenyl acetate in these solvents is approximately 20 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. The solubility of 11-cis vaccenyl acetate in PBS, pH 7.2, is approximately 2.5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

The mating and social behaviors of insects are largely orchestrated by a suite of volatile hydrocarbon pheromones. 11-cis Vaccenyl acetate is the male-specific mating pheromone of the fruit fly D. melanogaster. It acts selectively through the Or67d odorant receptor to control mating behavior in both male and female fruit flies.\textsuperscript{1}

Reference

Related Products
7(Z)-Tricosene - Item No. 9000313 • 7(Z)-Pentacosene - Item No. 9000530 • 7(Z),11(Z)-Pentacosadiene - Item No. 9000531

WARNING: This product is for laboratory research only; not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.