



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-7,(E)-11-Hexadecadien-1-yl acetate	Product code	EP00010
CAS No.	53042-79-8	Pheromone code	7Z,11E-16:OAc
Molecular formula	C18H32O2	Molecular weight	280.45

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (7Z,11E)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2-8 °C, protected from light, tightly closed	Retest period	24 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Pectinophora gossypiella (pink bollworm)
Order / family	Lepidoptera: Gelechiidae
Crops	Cotton
Reported use	Mating disruption, mass trapping, monitoring
Reported blend components	(Z,Z)-7,11-hexadecadienyl acetate
Reported blend ratio	(Z,Z)-7,11-hexadecadienyl acetate: 44:56 (Z,E to Z,Z)
Key reference	doi:10.1007/bf01014723; doi:10.1371/journal.pone.0220187