



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,Z)-11,13-Hexadecadienal	Product code	EP00109
CAS No.	71317-73-2	Pheromone code	11Z,13Z-16:Ald
Molecular formula	C ₁₆ H ₂₈ O	Molecular weight	236.39

Specification

Property	Specification	Method
Appearance	Clear, colourless to yellow liquid	Visual
Chemical purity	≥ 90.0 %	GC-FID (PEG)
Isomeric purity (11Z,13Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C (or –20 °C), protected from light, under nitrogen, container filled to minimise headspace	Retest period	12 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Amyelois transitella (navel orangeworm)
Order / family	Lepidoptera: Pyralidae
Crops	Almonds; pistachios; figs
Reported use	Monitoring, mating disruption
Reported blend components	(11Z,13Z)-hexadecadienol; (3Z,6Z,9Z,12Z,15Z)-3,6,9,12,15-tricosapentaene (3Z,6Z,9Z,12Z,15Z-23:H); (3Z,6Z,9Z,12Z,15Z)-3,6,9,12,15-pentacosapentaene (3Z,6Z,9Z,12Z,15Z-25:H); phenyl propionate
Dispenser loading	1 or 2 mg (three- or four-component lure formulation)
Key reference	doi:10.1371/journal.pone.0053840; doi:10.1007/s10886-010-9777-3