



TECHNICAL DATA SHEET

Standard grade

Product name	(Z)-5-Dodecen-1-yl acetate	Product code	EP00016
CAS No.	16676-96-3	Pheromone code	5Z-12:OAc
Molecular formula	C14H26O2	Molecular weight	226.35

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (5Z)	≥ 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	Dendrolimus kikuchii (Simao pine caterpillar moth)
Order / family	Lepidoptera: Lasiocampidae
Crops	Pine
Reported blend components	(5Z,7E)-5,7-dodecadien-1-yl acetate (Z5,E7-12:OAc); (5Z,7E)-5,7-dodecadien-1-ol (Z5,E7-12:OH)
Key reference	doi:10.1007/s10886-011-9932-5