



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,E)-5,7-Dodecadienyl acetate	Product code	EP00070
InChIKey	LILNZTGQAGPWKK-MUIOLIGRSA-N	Pheromone code	5Z,7E-12:OAc
Molecular formula	C14H24O2	Molecular weight	224.34

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (5Z,7E)	≥ 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); Dendrolimus suffusus subspecies illustratus (pine caterpillar moth)
Order / family	Lepidoptera: Lasiocampidae
Crops	Pine; oriental arborvitae
Reported blend components	(5Z,7E)-5,7-dodecadien-1-ol (Z5,E7-12:OH); (5Z)-5-dodecenyl acetate (Z5-12:OAc); (Z,E)-5,7-dodecadienal (Z5,E7-12Ald); (Z)-5-dodecenol (Z5-12OH)
Key reference	doi:10.1007/s10886-011-9932-5; doi:10.1002/cbdv.202500785