



TECHNICAL DATA SHEET

Standard grade

Product name	(R,Z)-5-(1-Decenyl)dihydrofuran-2(3H)-one	Product code	EP00144
CAS No.	64726-91-6	Pheromone code	—
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)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Physical properties (literature reference)

Density	0.985 g/cm ³		
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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	Popillia japonica; Popillia quadriguttata
Order / family	Coleoptera: Scarabaeidae; Coleoptera: Scarabaeidae
Crops	Soybean; turf; grape
Reported use	Mass trapping
Reported blend components	eugenol (floral lure)
Key reference	doi:10.1603/en13319; doi:10.1603/0022-0493(2007)100[103:daaaop]2.0.co;2