



TECHNICAL DATA SHEET

Standard grade

Product name	(Z,Z)-3,9-(6S,7R)-6,7-Epoxyoctadecadiene	Product code	EP00153
InChIKey	—	Pheromone code	3Z,9Z-18:Hy
Molecular formula	C18H32O	Molecular weight	264.45

Specification

Property	Specification	Method
Appearance	Clear, colourless to pale yellow liquid	Visual
Chemical purity	≥ 95.0 %	GC-FID (PEG)
Isomeric purity (3Z,9Z)	≥ 93.0 %	GC-FID (cyanopropyl), isomer-normalised

Storage and handling

Storage conditions	2–8 °C, dry, protected from light, away from acids	Retest period	12 months
Packaging	1 kg; 25 kg	Safety	See Safety Data Sheet

Application (literature reference)

Pheromone type	Sex pheromone
Target species	Ectropis obliqua (tea geometrid); Ectropis grisescens
Order / family	Lepidoptera: Geometridae
Crops	Tea plant (Camellia sinensis); tea plantations
Reported use	Monitoring and mass trapping
Reported blend components	(Z,Z,Z)-3,6,9-octadecatriene (Z3,Z6,Z9-18:H); (Z,Z)-3,9-cis-6,7-epoxy-nonadecadiene (Z3,epo6,Z9-19:H)
Key reference	doi:10.1093/jee/tov282; doi:10.1093/jee/tox216