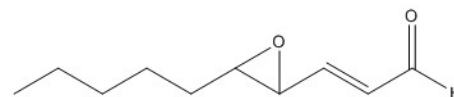




4,5-EPOXY-(E)-2-DECENAL

BRI 737

CAS Number:	188590-62-7
FEMA Number:	4037
FLAVIS Number:	Not approved
GB Number:	S0860
Molecular Weight:	168.24
Molecular Formula:	C ₁₀ H ₁₆ O ₂
Chemical Name:	4,5-Epoxy-(E)-2-Decenal



APPLICATION

Taste Description: Powerful, green, metallic character with beany (soy-like) back notes.

Flavor Use: Adds a unique natural note to an assortment of savory products like broths, soups and plant-based meat alternatives as well as in pet food where aroma is most important. At extremely low levels, it can be used to add metallic notes associated with mammalian blood to meat flavors. These metallic notes can also be useful in flavors for canned goods like pineapple and tomato juice. Can be used at low levels to add freshness to a variety of fruits and all types of tea, especially green and matcha.

Suggested Use Level: 0.05 - 5.0 PPB

SPECIFICATIONS

Minimum Purity:	90.0% (trans isomer)
• Main Isomer:	Not applicable
• Secondary Isomer:	Not applicable
Appearance:	Colorless to pale yellow liquid
Additives:	Synthetic alpha tocopherol at 0.50%

TECHNICAL

Log P:	2.032
Flash Point:	244°F (CC)
Boiling Point:	243.08°C (EPI 4.0)
Vapor Pressure:	0.0251 mmHg at 20°C
Solubility:	Insoluble in water; soluble in alcohol

Nature Identical:	Yes
Kosher:	Yes
Halal:	Yes

NOTES
