

## Nerol

<b>Cat. No.:</b>	OB0225LY-0236
<b>Appearance:</b>	Liquid
<b>Purity:</b>	≥98%
<b>Identity:</b>	Confirmed by NMR, HPLC, and LC-MS.
<b>Size:</b>	500 mg; 1 g; 5 g; 10 g; 25 g

This product is for research use only and is not intended for diagnostic use.

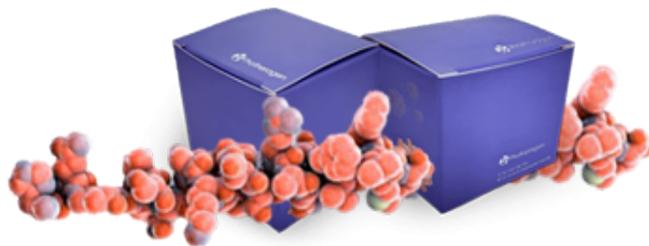
### Product Overview

<b>Description</b>	Nerol is a natural organic compound belonging to the terpene class.
<b>Synonym</b>	<i>cis</i> -Geraniol; Neryl alcohol; 106-25-2; <i>cis</i> -Geraniol; (Z)-3, 7-Dimethylocta-2,6-dien-1-ol; (Z)-Geraniol; (2Z)-3,7-Dimethylocta- 2,6-dien-1-ol; <i>cis</i> -3,7-Dimethyl-2,6-octadien-1-ol; 2,6-Octadien-1-ol, 3,7 -dimethyl-, (2Z)-; (Z)-Nerol
<b>CAS No.</b>	106-25-2
<b>Compound CID</b>	643820
<b>Formula</b>	C <sub>10</sub> H <sub>18</sub> O
<b>Formula Weight</b>	154.25

### Specification

<b>Relative Density</b>	0.87 g/cm <sup>3</sup>
<b>IUPAC Name</b>	(2Z)-3,7-Dimethylocta-2,6-dien-1-ol
<b>InChI</b>	InChI=1S/C10H18O/c1-9(2)5-4-6-10(3)7-8-11/h5,7,11H,4,6,8H2,1-3H3/b10-7-
<b>InChI Key</b>	GLZPCOQZEFWAFX-YFHOEESVSA-N
<b>SMILES string</b>	CC(=CCC/C(=C\CO)/C)C
<b>Stability</b>	3 years in powder form.
<b>Storage</b>	Storage at -20°C.
<b>Applications</b>	Nerol can be used to reduce the severity of cardiac arrhythmias in mammals.

### Library Information



<b>Targets</b>	Antifungal; Endogenous metabolite; Mitochondrial metabolism; Apoptosis; Reactive oxygen species
<b>Receptors</b>	Apoptosis; Endogenous metabolite; Fungal; Mitochondrial metabolism; Reactive oxygen species
<b>Pathways</b>	Metabolism; NF- $\kappa$ B; Apoptosis; Immunology/Inflammation; Microbiology/Virology
<b>Plate Number</b>	AOCL-3
<b>Plate Location</b>	h10
<b>Empty Location</b>	a1-h1; a12-h12
<b>Container</b>	96-well plate
<b>Formulation</b>	10 mM DMSO
<b>DMSO Max Solubility</b>	45 mg/mL; 291.73 mM