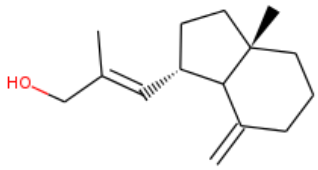
(E)-Opposita-4(15),7(11)-dien-12-ol

InChI: InChI=1S/C15H24O/c1-11(10-16)9-13-6-8-15(3)7-4-5-12(2)14(13)15/h9,13-14,16H,2,4-8,10H2,1,3H3/b11-9+/t13-,14?,15-/m1/s1
InChI Key: AYGVQNVSBUDGKN-BJRRHPIXSA-N
Formula: C15H24O
SMILES: C=C1CCCC2(C)CCC(C=C(C)CO)C12
Molecular Weight: 220.35



Physical Properties

Property	Value	Unit	Source
$\Delta_f G°$	135.35	kJ/mol	Joback Method
$\Delta_f H°_{gas}$	-191.47	kJ/mol	Joback Method
$\Delta_{fus} H°$	21.17	kJ/mol	Joback Method
$\Delta_{vap} H°$	64.74	kJ/mol	Joback Method
$log P_{oct/wat}$	3.70		Crippen Method
P_c	2177.49	kPa	Joback Method
T_{boil}	659.84	K	Joback Method
T_c	865.08	K	Joback Method
T_{fus}	359.25	K	Joback Method
V_c	0.75	m^3/kg-mol	Joback Method

Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$C_{p,gas}$	570.29	J/mol×K	659.84	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method

NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C15H24O/c1-11(10-16)9-13-6-8-15(3)7-4-5-12(2)14(13)15/h9,13-14,16H,2,4-8,10H2,1,3H3/b11-9+/t13-,14?,15-/m1/s1

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

$\mathbf{C_{p,gas}}$: Ideal gas heat capacity (J/mol×K).
$\Delta_f\mathbf{G°}$: Standard Gibbs free energy of formation (kJ/mol).
$\Delta_f\mathbf{H°_{gas}}$: Enthalpy of formation at standard conditions (kJ/mol).
$\Delta_{fus}\mathbf{H°}$: Enthalpy of fusion at standard conditions (kJ/mol).
$\Delta_{vap}\mathbf{H°}$: Enthalpy of vaporization at standard conditions (kJ/mol).
$\boldsymbol{log}\mathbf{P_{oct/wat}}$: Octanol/Water partition coefficient .
$\mathbf{P_c}$: Critical Pressure (kPa).
$\mathbf{T_{boil}}$: Normal Boiling Point Temperature (K).
$\mathbf{T_c}$: Critical Temperature (K).
$\mathbf{T_{fus}}$: Normal melting (fusion) point (K).
$\mathbf{V_c}$: Critical Volume (m^3/kg-mol).