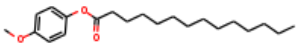
Myristic acid, 4-methoxyphenyl ester

InChI: InChI=1S/C21H34O3/c1-3-4-5-6-7-8-9-10-11-12-13-14-21(22)24-20-17-15-19(23-2)16-18-20/h15-18H,3-14H2,1-2H3
InChI Key: BYCQJIJKYKHTRV-UHFFFAOYSA-N
Formula: C21H34O3
SMILES: CCCCCCCCCCCCCC(=O)Oc1ccc(OC)cc1
Molecular Weight: 334.49



Physical Properties

Property	Value	Unit	Source
$\Delta_f G°$	-110.20	kJ/mol	Joback Method
$\Delta_f H°_{gas}$	-628.73	kJ/mol	Joback Method
$\Delta_{fus} H°$	47.77	kJ/mol	Joback Method
$\Delta_{vap} H°$	76.84	kJ/mol	Joback Method
$logP_{oct/wat}$	6.30		Crippen Method
P_c	1198.13	kPa	Joback Method
T_{boil}	810.25	K	Joback Method
T_c	1002.94	K	Joback Method
T_{fus}	459.76	K	Joback Method
V_c	1.15	m^3/kg-mol	Joback Method

Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$C_{p,gas}$	916.24	J/mol×K	810.25	Joback Method
η	0.00	Pa×s	810.25	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method
NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C21H34O3/c1-3-4-5-6-7-8-9-10-11-12-13-14-21(22)24-20-17-15-19(23-2)16-18-20/h15-18H,3-14H2,1-2H3
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

$\mathbf{C_{p,gas}}$: Ideal gas heat capacity (J/mol×K).
η: Dynamic viscosity (Pa×s).
$\Delta_f\mathbf{G°}$: 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).