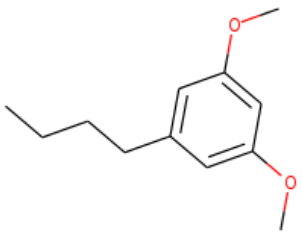
Benzene, 1,3-dimethoxy-5-butyl

InChI: InChI=1S/C12H18O2/c1-4-5-6-10-7-11(13-2)9-12(8-10)14-3/h7-9H,4-6H2,1-3H3
InChI Key: JNAVXGYUAXCROD-UHFFFAOYSA-N
Formula: C12H18O2
SMILES: CCCCc1cc(OC)cc(OC)c1
Molecular Weight: 194.27



Physical Properties

Property	Value	Unit	Source
$\Delta_f G°$	-66.69	kJ/mol	Joback Method
$\Delta_f H°_{gas}$	-341.86	kJ/mol	Joback Method
$\Delta_{fus} H°$	22.48	kJ/mol	Joback Method
$\Delta_{vap} H°$	50.73	kJ/mol	Joback Method
$logP_{oct/wat}$	3.05		Crippen Method
P_c	2261.11	kPa	Joback Method
T_{boil}	555.44	K	Joback Method
T_c	753.59	K	Joback Method
T_{fus}	320.92	K	Joback Method
V_c	0.64	m^3/kg-mol	Joback Method

Temperature Dependent Properties

Property	Value	Unit	Temperature (K)	Source
$C_{p,gas}$	398.67	J/mol×K	555.44	Joback Method
η	0.00	Pa×s	555.44	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method
NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H18O2/c1-4-5-6-10-7-11(13-2)9-12(8-10)14-3/h7-9H,4-6H2,1-3H3
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).