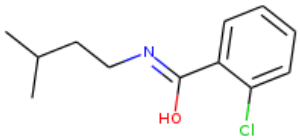
Benzamide, 2-chloro-N-(3-methylbutyl)-

InChI: InChI=1S/C12H16ClNO/c1-9(2)7-8-14-12(15)10-5-3-4-6-11(10)13/h3-6,9H,7-8H2,1-2H3,(H,14,15)
InChI Key: PGNJNTVXQORETO-UHFFFAOYSA-N
Formula: C12H16ClNO
SMILES: CC(C)CCN=C(O)c1ccccc1Cl
Molecular Weight: 225.71



Physical Properties

Property	Value	Unit	Source
$\Delta_f H°_{gas}$	-166.77	kJ/mol	Joback Method
$\Delta_{vap} H°$	69.31	kJ/mol	Joback Method
$logP_{oct/wat}$	3.69		Crippen Method
P_c	2287.14	kPa	Joback Method
T_{boil}	711.35	K	Joback Method
T_c	924.12	K	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method
NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H16ClNO/c1-9(2)7-8-14-12(15)10-5-3-4-6-11(10)13/h3-6,9H,7-8H2,1-2H3,(H,14,15)
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

$\Delta_f H°_{gas}$: Enthalpy of formation at standard conditions (kJ/mol).
$\Delta_{vap} H°$: Enthalpy of vaporization at standard conditions (kJ/mol).
$logP_{oct/wat}$: Octanol/Water partition coefficient .
P_c: Critical Pressure (kPa).
T_{boil}: Normal Boiling Point Temperature (K).

T_c: Critical Temperature (K).