

# N-(2-chloroethyl)-n'-[1-(4-fluorophenyl)cyclohexyl]

**Inchi:** InChI=1S/C15H20ClFN2O/c16-10-11-18-14(20)19-15(8-2-1-3-9-15)12-4-6-13(17)7-5-12/  
**InchiKey:** DUJIXFNDZYBWDP-UHFFFAOYSA-N  
**Formula:** C15H20ClFN2O  
**SMILES:** OC(=NCCCl)NC1(c2ccc(F)cc2)CCCCC1  
**Mol. weight [g/mol]:** 298.78  
**CAS:** 33082-88-1

## Physical Properties

Property code	Value	Unit	Source
hf	-296.49	kJ/mol	Joback Method
hvap	81.28	kJ/mol	Joback Method
log10ws	-4.42		Crippen Method
logp	3.728		Crippen Method
mcvol	223.130	ml/mol	McGowan Method
pc	2125.60	kPa	Joback Method
tb	849.66	K	Joback Method
tc	1076.86	K	Joback Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C33082881&Units=SI>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l

<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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