

# Fenpropidin

<b>Other names:</b>	1-(3-(4-(1,1-dimethylethyl)phenyl)-2-methylpropyl)piperidine 1-(3-(4-(tert-butyl)phenyl)-2-methylpropyl)piperidine Fenpropidine Patrol Piperidine, 1-(3-(4-(1,1-dimethylethyl)phenyl)-2-methylpropyl)- Ro-12-3049
<b>Inchi:</b>	InChI=1S/C19H31N/c1-16(15-20-12-6-5-7-13-20)14-17-8-10-18(11-9-17)19(2,3)4/h8-11,
<b>InchiKey:</b>	MGNFYQILYYYUBS-UHFFFAOYSA-N
<b>Formula:</b>	C19H31N
<b>SMILES:</b>	<chem>CC(Cc1ccc(C(C)(C)C)cc1)CN1CCCCC1</chem>
<b>Mol. weight [g/mol]:</b>	273.46
<b>CAS:</b>	67306-00-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.74		Crippen Method
logp	4.649		Crippen Method
mcvol	253.930	ml/mol	McGowan Method
rinpol	1928.00		NIST Webbook
rinpol	1936.00		NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	80.90	kJ/mol	298.00	The Vaporization Enthalpy and vapor Pressure of Fenpropidin and Phencyclidine (PCP) at T/K = 298.15 by Correlation Gas Chromatography

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C67306007&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C67306007&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>The Vaporization Enthalpy and vapor Pressure of Fenpropidin and McGowan's Method (PCP) at T/K = 298.15 by Correlation Gas Chromatography:</b>	<a href="https://www.doi.org/10.1021/acs.jced.5b00737">https://www.doi.org/10.1021/acs.jced.5b00737</a> <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpola:</b>	Non-polar retention indices

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