

# Glutaric acid, monoamide, N-(2-(4-methoxyphenyl)ethyl)-, pentyl ester

<b>Inchi:</b>	InChI=1S/C19H29NO4/c1-3-4-5-15-24-19(22)8-6-7-18(21)20-14-13-16-9-11-17(23-2)12-
<b>InchiKey:</b>	LIKFVSKEOMQDDC-UHFFFAOYSA-N
<b>Formula:</b>	C19H29NO4
<b>SMILES:</b>	CCCCCOC(=O)CCCC(=O)NCCc1ccc(OC)cc1
<b>Mol. weight [g/mol]:</b>	335.44

## Physical Properties

Property code	Value	Unit	Source
gf	-166.57	kJ/mol	Joback Method
hf	-646.56	kJ/mol	Joback Method
hfus	49.29	kJ/mol	Joback Method
hvap	85.57	kJ/mol	Joback Method
log10ws	-4.41		Crippen Method
logp	3.258		Crippen Method
mvol	279.670	ml/mol	McGowan Method
pc	1455.68	kPa	Joback Method
rinpol	2771.00		NIST Webbook
rinpol	2771.00		NIST Webbook
tb	868.53	K	Joback Method
tc	1072.52	K	Joback Method
tf	539.81	K	Joback Method
vc	1.075	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	877.84	J/mol×K	868.53	Joback Method
cpg	892.93	J/mol×K	902.53	Joback Method
cpg	906.88	J/mol×K	936.53	Joback Method
cpg	919.70	J/mol×K	970.53	Joback Method
cpg	931.42	J/mol×K	1004.53	Joback Method
cpg	942.05	J/mol×K	1038.52	Joback Method
cpg	951.64	J/mol×K	1072.52	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U360220&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U360220&amp;Units=SI</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvp:</b>	Enthalpy of vaporization at standard conditions
<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>pc:</b>	Critical Pressure
<b>rinp:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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