# Glutaric acid, monoamide, N-(5-chloro-2-methoxyphenyl)-, undecyl ester

**Inchi:** InChI=1S/C23H36ClNO4/c1-3-4-5-6-7-8-9-10-11-17-29-23(27)14-12-13-22(26)25-20-18-

**InchiKey:** NBEVEAXUYAFWMG-UHFFFAOYSA-N

**Formula:** C23H36ClNO4

**SMILES:** CCCCCCCCCCCOC(=O)CCCC(O)=Nc1cc(Cl)ccc1OC

**Mol. weight [g/mol]:** 425.99

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -777.02 | kJ/mol | Joback Method |
| hvap | 106.42 | kJ/mol | Joback Method |
| log10ws | -7.39 | | Crippen Method |
| logp | 7.181 | | Crippen Method |
| mcvol | 348.270 | ml/mol | McGowan Method |
| pc | 1013.59 | kPa | Joback Method |
| rinpol | 3519.00 | | NIST Webbook |
| tb | 1067.16 | K | Joback Method |
| tc | 1310.89 | K | Joback Method |

## Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=U360761&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |

## Legend

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

**logp:**     Octanol/Water partition coefficient

**mcvol:**    McGowan's characteristic volume

**pc:**       Critical Pressure

**rinpol:**   Non-polar retention indices

**tb:**       Normal Boiling Point Temperature

**tc:**       Critical Temperature

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