

# Succinic acid, 2-[4(5)-nitroimidazol-5(4)-carboxamido]-

**Inchi:** InChI=1S/C8H8N4O7/c13-4(14)1-3(8(16)17)11-7(15)5-6(12(18)19)10-2-9-5/h2-3H,1H2,(  
**InchiKey:** UHDTVHSCXWVBLU-UHFFFAOYSA-N  
**Formula:** C8H8N4O7  
**SMILES:** O=C(O)CC(NC(=O)c1[nH]cnc1[N+](=O)[O-])C(=O)O  
**Mol. weight [g/mol]:** 272.17  
**CAS:** 116401-56-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.02		Crippen Method
logp	-1.506		Crippen Method
mcvol	167.930	ml/mol	McGowan Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C116401560&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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