

# trans-2-(2-Pentenyl)furan

<b>Other names:</b>	2-[(2E)-2-Pentenyl]furan 2-(Pent-2(E)-enyl)furan (E)-2-(2-Pentenyl)furan 2(trans-2-Pentenyl)furan (E)-2-pentenylfuran
<b>Inchi:</b>	InChI=1S/C9H12O/c1-2-3-4-6-9-7-5-8-10-9/h3-5,7-8H,2,6H2,1H3/b4-3+
<b>InchiKey:</b>	KQMWMXVDLIDHGY-ONEGZZNKSA-N
<b>Formula:</b>	C9H12O
<b>SMILES:</b>	CCC=CCc1ccco1
<b>Mol. weight [g/mol]:</b>	136.19
<b>CAS:</b>	70424-14-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.12		Crippen Method
logp	2.788		Crippen Method
mcvol	119.780	ml/mol	McGowan Method
rinpol	1001.00		NIST Webbook
rinpol	1004.00		NIST Webbook
rinpol	1003.00		NIST Webbook
rinpol	985.00		NIST Webbook
rinpol	1002.00		NIST Webbook
rinpol	980.00		NIST Webbook
rinpol	1003.00		NIST Webbook
rinpol	983.60		NIST Webbook
rinpol	1003.50		NIST Webbook
rinpol	983.60		NIST Webbook
rinpol	983.60		NIST Webbook
ripol	1282.00		NIST Webbook

## Sources

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

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C70424145&Units=SI>

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:**

[https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

<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>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices

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