

Furan, 2,5-diphenyl-

Other names:	PPF 2,5-Diphenylfuran
Inchi:	InChI=1S/C16H12O/c1-3-7-13(8-4-1)15-11-12-16(17-15)14-9-5-2-6-10-14/h1-12H
InchiKey:	VUPDHIIPAKIKAB-UHFFFAOYSA-N
Formula:	C16H10O
SMILES:	<chem>c1ccc(-c2ccc(-c3ccccc3)o2)cc1</chem>
Mol. weight [g/mol]:	218.25
CAS:	955-83-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.41		Crippen Method
logp	4.614		Crippen Method
mcpvol	175.190	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	102.00	kJ/mol	340.00	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C955839&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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