

Oxazole, 2-(1-naphthalenyl)-5-phenyl-

Other names:	2-(1-Naphthyl)-5-phenyloxazole «alpha»-NPO Oxazole, 2-(1-naphthyl)-5-phenyl- 2-«alpha»-Naphthyl-5-phenyloxazole «alpha»-Naphthylphenyloxazole alpha-NPO 2-alpha-Naphthyl-5-phenyloxazole ANPO NSC 24857
Inchi:	InChI=1S/C19H13NO/c1-2-8-15(9-3-1)18-13-20-19(21-18)17-12-6-10-14-7-4-5-11-16(14)
InchiKey:	WWVFJJKBBZXWFV-UHFFFAOYSA-N
Formula:	C19H13NO
SMILES:	<chem>c1ccc(-c2cnc(-c3cccc4ccccc34)o2)cc1</chem>
Mol. weight [g/mol]:	271.31
CAS:	846-63-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.98		Crippen Method
logp	5.162		Crippen Method
mcvol	207.980	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	89.20	kJ/mol	552.50	NIST Webbook

Sources

Crippen Method:	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=C846639&Units=SI>

Crippen Method:

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

Legend

hvapt:	Enthalpy of vaporization 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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