Morpholine, 4-phenyl-

Other names:	N-Phenylmorpholine
	4-Phenylmorpholine
	Phenylmorpholine
	Morpholinobenzene
Inchi:	InChI=1S/C10H13NO/c1-2-4-10(5-3-1)11-6-8-12-9-7-11/h1-5H,6-9H2
InchiKey:	FHQRDEDZJIFJAL-UHFFFAOYSA-N
Formula:	C10H13NO
SMILES:	c1ccc(N2CCOCC2)cc1
Mol. weight [g/mol]:	163.22
CAS:	92-53-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.20		Crippen Method
logp	1.523		Crippen Method
mcvol	132.990	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	440.70	K	6.00	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C92535&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure