2-Pyridinecarboxylic acid, methyl ester

Other names:	Picolinic acid, methyl ester
	Methyl picolinate
	Methyl 2-pyridinecarboxylate
	2-Carbomethoxypyridine
	2-(Methoxycarbonyl)pyridine
	methyl pyridine-2-carboxylate
Inchi:	InChI=1S/C7H7NO2/c1-10-7(9)6-4-2-3-5-8-6/h2-5H,1H3
InchiKey:	NMMIHXMBOZYNET-UHFFFAOYSA-N
Formula:	C7H7NO2
SMILES:	COC(=O)c1ccccn1
Mol. weight [g/mol]:	137.14
CAS:	2459-07-6

Physical Properties

Property code	Value	Unit	Source
hvap	64.10 ± 0.10	kJ/mol	NIST Webbook
hvap	67.00 ± 1.80	kJ/mol	NIST Webbook
log10ws	-1.48		Crippen Method
logp	0.868		Crippen Method
mcvol	103.150	ml/mol	McGowan Method
rinpol	1075.00		NIST Webbook
rinpol	1075.00		NIST Webbook
ripol	1804.00		NIST Webbook
ripol	1879.00		NIST Webbook
ripol	1804.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	390.50 ± 1.50	K	2.10	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=C2459076&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tbrp:	Boiling point at reduced pressure