

Encyprate

Other names:

Carbamic acid, cyclopropyl(phenylmethyl)-, ethyl ester
Cyclopropanecarbamic acid, N-benzyl-, ethyl ester
A 19757
Encyprat
Ethyl N-Benzyl-N-cyclopropylcarbamate
MO 1255
Ethyl N-benzylcyclopropanecarbamate
N-Carbethoxy-N-benzyl-cyclopropylamine
Ethyl benzyl(cyclopropyl)carbamate
NSC 169504
NSC 43799

Inchi: InChI=1S/C13H17NO2/c1-2-16-13(15)14(12-8-9-12)10-11-6-4-3-5-7-11/h3-7,12H,2,8-10**InchiKey:** OGXBVBBMMWSZJO-UHFFFAOYSA-N**Formula:** C13H17NO2**SMILES:** CCOC(=O)N(Cc1ccccc1)C1CC1**Mol. weight [g/mol]:** 219.28**CAS:** 2521-01-9

Physical Properties

Property code	Value	Unit	Source
gf	108.60	kJ/mol	Joback Method
hf	-179.59	kJ/mol	Joback Method
hfus	27.41	kJ/mol	Joback Method
hvap	57.92	kJ/mol	Joback Method
log10ws	-3.28		Crippen Method
logp	2.808		Crippen Method
mcvol	176.830	ml/mol	McGowan Method
pc	2600.43	kPa	Joback Method
rinpol	1582.00		NIST Webbook
rinpol	1586.00		NIST Webbook
rinpol	1591.00		NIST Webbook
rinpol	1582.00		NIST Webbook
ripol	2273.00		NIST Webbook
ripol	2261.00		NIST Webbook
ripol	2246.00		NIST Webbook
tb	618.99	K	Joback Method
tc	832.93	K	Joback Method

tf	385.26	K	Joback Method
vc	0.654	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	466.46	J/mol×K	618.99	Joback Method
cpg	483.19	J/mol×K	654.65	Joback Method
cpg	498.79	J/mol×K	690.30	Joback Method
cpg	513.32	J/mol×K	725.96	Joback Method
cpg	526.87	J/mol×K	761.62	Joback Method
cpg	539.48	J/mol×K	797.27	Joback Method
cpg	551.24	J/mol×K	832.93	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2521019&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
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
pc:	Critical Pressure
ripol:	Non-polar retention indices
ripol:	Polar retention indices

tb: Normal Boiling Point Temperature
tc: Critical Temperature
tf: Normal melting (fusion) point
vc: Critical Volume

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