

# Parbenate

<b>Other names:</b>	Benzoic acid, 4-(dimethylamino)-, ethyl ester Benzoic acid, p-(dimethylamino)-, ethyl ester Ethyl p-dimethylaminobenzoate Ethyl 4-(dimethylamino)benzoate N,N-Dimethylbenzocaine Ethyl-4-(N,N-dimethylamino)benzoate Quantacure EPD p-Dimethylaminobenzoic acid ethyl ester Speedcure EDB Kayacure EPA Quantacure EPD (Ethyl 4-dimethylamino benzoate)
<b>Inchi:</b>	InChI=1S/C11H15NO2/c1-4-14-11(13)9-5-7-10(8-6-9)12(2)3/h5-8H,4H2,1-3H3
<b>InchiKey:</b>	FZUGPQWGEGAKET-UHFFFAOYSA-N
<b>Formula:</b>	C11H15NO2
<b>SMILES:</b>	CCOC(=O)c1ccc(N(C)C)cc1
<b>Mol. weight [g/mol]:</b>	193.24
<b>CAS:</b>	10287-53-3

## Physical Properties

Property code	Value	Unit	Source
gf	21.38	kJ/mol	Joback Method
hf	-222.58	kJ/mol	Joback Method
hfus	23.71	kJ/mol	Joback Method
hvap	54.22	kJ/mol	Joback Method
log10ws	-2.04		Crippen Method
logp	1.929		Crippen Method
mcvol	159.510	ml/mol	McGowan Method
pc	2729.71	kPa	Joback Method
rinpol	1711.00		NIST Webbook
rinpol	1711.00		NIST Webbook
tb	571.47	K	Joback Method
tc	778.84	K	Joback Method
tf	357.30	K	Joback Method
vc	0.586	m3/kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	381.59	J/mol×K	571.47	Joback Method
cpg	396.33	J/mol×K	606.03	Joback Method
cpg	410.24	J/mol×K	640.59	Joback Method
cpg	423.33	J/mol×K	675.15	Joback Method
cpg	435.62	J/mol×K	709.72	Joback Method
cpg	447.15	J/mol×K	744.28	Joback Method
cpg	457.93	J/mol×K	778.84	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C10287533&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C10287533&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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