AMBUCETAMIDE

Other names: Benzeneacetamide, «alpha»-(dibutylamino)-4-methoxy-
Acetamide, 2-dibutylamino-2-(p-methoxyphenyl)-
A 16
Ambucetamid
«alpha»-Dibutylamino-«alpha»-(p-methoxyphenyl)acetamide
Bersen
Dibutamid
Dibutamide
«alpha»-Dibutyl-amino-4-methoxybenzeneacetamide
«alpha»-Dibutyl-amino-p-methoxyphenylacetamide
2-Dibutylamino-2-(p-methoxyphenyl)acetamide
Meritin
«alpha»-p-Methoxyphenyl-«alpha»-di-n-butylaminoacetamide
R 5
(.+/-.)-Ambucetamide

Inchi: InChI=1S/C17H28N2O2/c1-4-6-12-19(13-7-5-2)16(17(18)20)14-8-10-15(21-3)11-9-14/h8

InchiKey: WUSAVCGXMSWMQM-UHFFFAOYSA-N

Formula: C17H28N2O2

SMILES: CCCCN(CCCC)C(C(N)=O)c1ccc(OC)cc1

Mol. weight [g/mol]: 292.42

Physical Properties

Property code	Value	Unit	Source
hfus	40.92	kJ/mol	Joback Method
ie	6.92	eV	Cheméo Relay (1.0)
logp	3.124		Crippen Method
mcvol	254.030	ml/mol	McGowan Method
rinpol	2235.00		NIST Webbook
tb	621.65	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	767.48	J/mol×K	780.84	Joback Method

cpg	784.05	J/mol×K	814.73	Joback Method
cpg	799.56	J/mol×K	848.62	Joback Method
cpg	814.04	J/mol×K	882.51	Joback Method
cpg	827.53	J/mol×K	916.40	Joback Method
cpg	840.08	J/mol×K	950.28	Joback Method
cpg	851.73	J/mol×K	984.17	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C519880&Units=SI

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg: Ideal gas heat capacity
hfus: Enthalpy of fusion at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature