

Dextromethorphan

Other names:	Morphinan, 3-methoxy-17-methyl-, (9«alpha»,13«alpha»,14«alpha»)-9«alpha»,13«alpha»,14«alpha»-Morphinan, 3-methoxy-17-methyl-D-Methorphan Ba 2666 Dextromethorfan 3-Methoxy-17-methyl-9«alpha»,13«alpha»,14«alpha»-morphinan 3-Methoxy-17-methyl-9«alpha»,13«alpha»-morphinan Racemethorphan [as d-form] Dextrometorphan
Inchi:	InChI=1S/C18H25NO/c1-19-10-9-18-8-4-3-5-15(18)17(19)11-13-6-7-14(20-2)12-16(13)1
InchiKey:	MKXZASYAUGDDCJ-CGTJXYLNSA-N
Formula:	C18H25NO
SMILES:	COc1ccc2c(c1)C13CCCCC1C(C2)N(C)CC3
Mol. weight [g/mol]:	271.40
CAS:	125-71-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.93		Crippen Method
logp	3.383		Crippen Method
mcvol	223.990	ml/mol	McGowan Method
rinpol	2119.00		NIST Webbook
rinpol	2125.00		NIST Webbook
rinpol	2121.00		NIST Webbook
rinpol	2097.00		NIST Webbook
rinpol	2116.00		NIST Webbook
rinpol	2125.00		NIST Webbook
rinpol	2125.00		NIST Webbook
rinpol	2111.00		NIST Webbook
rinpol	2116.00		NIST Webbook
rinpol	2116.00		NIST Webbook
rinpol	2121.00		NIST Webbook
rinpol	2131.00		NIST Webbook
rinpol	2121.00		NIST Webbook
rinpol	2115.00		NIST Webbook
rinpol	2097.00		NIST Webbook
rinpol	2140.00		NIST Webbook

rinpol	2111.00	NIST Webbook
rinpol	2121.00	NIST Webbook
rinpol	2199.70	NIST Webbook
rinpol	2116.00	NIST Webbook
rinpol	2131.00	NIST Webbook
rinpol	2199.70	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C125713&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

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