Dextromoramide

Other names:	Pyrrolidine, 1-[3-methyl-4-(4-morpholinyl)-1-oxo-2,2-diphenylbutyl]-, (S)-
	Pyrrolidine, 1-(3-methyl-4-morpholino-2,2-diphenylbutyryl)-, (+)-
	Alcoid
	Dauran
	Dimorlin
	Jetrium
	Jetrium R
	Linfadol
	M. C. P. 875
	Moramide
	MCP 875
	Narcolo
	Palfadonna
	Palfium
	Pyrrolamidol
	Pyrrolamidolum
	R 875
	SKF 5137
	Troxilan
	Yetrium
	Pyrrolidine, 1-(2,2-diphenyl-3-methyl-4-morpholinobutyryl)-, (+)-
	(+)-2,2-Diphenyl-3-methyl-4-morpholinobutyrylpyrrolidine
	(+)-4-[2-Methyl-4-oxo-3,3-diphenyl-4-(1-pyrrolidinyl)butyl]morpholine
	d-Moramid(e)
	Palphium
	4-[2-Methyl-4-oxo-3,3-diphenyl-4-(1-pyrrolidinyl)butyl]morpholine-, (S)-
	(+)-N-(3-Methyl-4-morpholino-2,2-diphenylbutryl)pyrrolidine
Inchi:	InChI=1S/C25H32N2O2/c1-21(20-26-16-18-29-19-17-26)25(22-10-4-2-5-11-22,23-12-6-3
InchiKey:	INUNXTSAACVKJS-OAQYLSRUSA-N
Formula:	C25H32N2O2
SMILES:	CC(CN1CCOCC1)C(C(=O)N1CCCC1)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	392.53
CAS:	357-56-2

Physical Properties

Property code	Value	Unit	Source

log10ws	-3.82		Crippen Method
logp	3.563		Crippen Method
mcvol	321.270	ml/mol	McGowan Method
rinpol	2932.00		NIST Webbook
rinpol	2890.00		NIST Webbook
rinpol	2965.00		NIST Webbook
rinpol	2940.00		NIST Webbook
rinpol	2940.00		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=C357562&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