

# Droperidol

<b>Other names:</b>	2H-Benzimidazol-2-one, 1-[1-[4-(4-fluorophenyl)-4-oxobutyl]-1,2,3,6-tetrahydro-4-pyridinyl]-1,3-dihydro- 2-Benzimidazolone, 1-[1-[3-(p-fluorobenzoyl)propyl]-1,2,3,6-tetrahydro-4-pyridyl]- Dehydrobenzperidol Dridol Droleptan Inapsin Inapsine Inopsin McN-JR 4749 R 4749 Sintodril Deidrobenzperidolo DHBP Halkan Inappin Innovan Inoval Properidol Sintosian Vetkalm 1-(1-(3-(p-Fluorobenzoyl)propyl)-1,2,3,6-tetrahydro-4-pyridyl)-2-benzimidazolinone 1-(1-(4-(p-Fluorophenyl)-4-oxobutyl)-1,2,3,6-tetrahydro-4-pyridyl)-2-benzimidazolinone NSC 169874 Neurolidol
<b>Inchi:</b>	InChI=1S/C22H22FN3O2/c23-17-9-7-16(8-10-17)21(27)6-3-13-25-14-11-18(12-15-25)26
<b>InchiKey:</b>	RMEDXOLNCUSCGS-UHFFFAOYSA-N
<b>Formula:</b>	C22H22FN3O2
<b>SMILES:</b>	O=C(CCCN1CC=C(n2c(=O)[nH]c3cccc32)CC1)c1ccc(F)cc1
<b>Mol. weight [g/mol]:</b>	379.43
<b>CAS:</b>	548-73-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.40		Crippen Method
logp	3.197		Crippen Method
mccvol	282.150	ml/mol	McGowan Method

rinpol	3430.00	NIST Webbook
rinpol	3376.00	NIST Webbook
rinpol	3402.00	NIST Webbook
rinpol	3402.00	NIST Webbook
rinpol	3376.00	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C548732&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C548732&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</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>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpol:</b>	Non-polar retention indices

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