

# Benperidol

<b>Other names:</b>	1-1-(3-(p-Fluorobenzoyl)propyl)-4-piperidyl-2-benzimidazolinone 1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-piperidiny]-1,3-dihydro-2H-benzimidazol-2-one 2-Benzimidazolinone, 1-[1-[3-(p-fluorobenzoyl)propyl]-4-piperidyl]- 2H-Benzimidazol-2-one, 1-[1-[4-(4-fluorophenyl)-4-oxobutyl]-4-piperidiny]-1,3-dihydro- 8089 C. B. Anquil Benzoperidol Benzperidol CB 8089 Concilium Frenactil Frenactyl Glianimon Glianimon mite McN-JR-4584 R 4584
<b>Inchi:</b>	InChI=1S/C22H24FN3O2/c23-17-9-7-16(8-10-17)21(27)6-3-13-25-14-11-18(12-15-25)26
<b>InchiKey:</b>	FEBOTPHFXYHVPL-UHFFFAOYSA-N
<b>Formula:</b>	C22H24FN3O2
<b>SMILES:</b>	O=C(CCCN1CCC(n2c(O)nc3ccccc32)CC1)c1ccc(F)cc1
<b>Mol. weight [g/mol]:</b>	381.44
<b>CAS:</b>	2062-84-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.28		Aqueous and cosolvent solubility data for drug-like organic compounds
logp	4.181		Crippen Method
mvol	286.450	ml/mol	McGowan Method

## Sources

**Aqueous and cosolvent solubility data for drug-like organic compounds:** <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751500/>

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C2062842&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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