

# Flunarizine

**Other names:**

Piperazine, 1-[bis(4-fluorophenyl)methyl]-4-(3-phenyl-2-propenyl)-, (E)-  
(E)-1-(Bis(4-fluorophenyl)methyl)-4-(3-phenyl-2-propenyl)piperazine  
Sibelium

(E)-1-[Bis-(p-fluorophenyl)methyl]-4-cinnamylpiperazine

1-[Bis(4-fluorophenyl)methyl]-4-[(2E)-3-phenyl-2-propenyl]piperazine

**Inchi:**

InChI=1S/C26H26F2N2/c27-24-12-8-22(9-13-24)26(23-10-14-25(28)15-11-23)30-19-17-

**InchiKey:**

SMANXXCATUTDDT-QPJXVBHSA-N

**Formula:**

C<sub>26</sub>H<sub>26</sub>F<sub>2</sub>N<sub>2</sub>

**SMILES:**

Fc1ccc(C(c2ccc(F)cc2)N2CCN(CC=Cc3ccccc3)CC2)cc1

**Mol. weight [g/mol]:**

404.49

**CAS:**

52468-60-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.29		Crippen Method
logp	5.385		Crippen Method
mcvol	314.260	ml/mol	McGowan Method
rinpol	3043.00		NIST Webbook
rinpol	3043.00		NIST Webbook

## Sources

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C52468607&Units=SI>

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:**

[https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**McGowan Method:**

<http://link.springer.com/article/10.1007/BF02311772>

## 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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