

Cinnarizine

Other names:

1-Benzhydryl-4-cinnamylpiperazine
1-Cinnamyl-4-(diphenylmethyl)piperazine
516 MD
Aplactan
Aplexal
Apotomin
Artate
Carecin
Cerebolan
Cerepar
Cinaperazine
Cinarizine
Cinazyn
Cinnacet
Cinnageron
Corathiem
Denapol
Dimitron
Dimitronal
Eglen
Folcodal
Giganten
Glanil
Hilactan
Ixertol
Katoseran
Labyrin
Lazeta
Marisan
Midronal
Mitronal
Olamín
Piperazine, 1-(diphenylmethyl)-4-(3-phenyl-2-propenyl)-
Piperazine, 1-cinnamyl-4-(diphenylmethyl)-
Processine
R 1575
R 516
Sedatromin
Sepan
Siptazin

Inchi: Spaderizine
 Stugeron
 Stutgeron
 Stutgin
 Toliman
 piperazine, 1-(diphenylmethyl)-4-(3-phenyl-2-propen-1-yl)-
InchiKey: InChI=1S/C26H28N2/c1-4-11-23(12-5-1)13-10-18-27-19-21-28(22-20-27)26(24-14-6-2-7-3)
InchiKey: DERZBLKQOCDDDZ-JLHYYAGUSA-N
Formula: C26H28N2
SMILES: C(=Cc1cccc1)CN1CCN(C(c2ccccc2)c2ccccc2)CC1
Mol. weight [g/mol]: 368.51
CAS: 298-57-7

Physical Properties

Property code	Value	Unit	Source
hfus	37.13	kJ/mol	Solubility and Caloric Properties of Cinnarizine
log10ws	-5.63		Crippen Method
logp	5.107		Crippen Method
mcvol	310.720	ml/mol	McGowan Method
rinpol	3040.00		NIST Webbook
rinpol	3055.00		NIST Webbook
rinpol	3052.00		NIST Webbook
rinpol	3010.00		NIST Webbook
rinpol	3070.00		NIST Webbook
rinpol	3040.00		NIST Webbook
rinpol	3065.00		NIST Webbook
rinpol	3040.00		NIST Webbook
tf	395.10	K	Measurement and correlation for the solubilities of cinnarizine, pentoxifylline, and piracetam in supercritical carbon dioxide

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Measurement and correlation for the solubilities of cinnarizine, pentoxifylline, and piracetam in supercritical carbon dioxide: <https://www.doi.org/10.1016/j.fluid.2014.01.041>

**Solubility and Caloric Properties of
Cinnarizine:**

McGowan Method:

NIST Webbook:

Crippen Method:

<https://www.doi.org/10.1021/acs.jced.5b00075>

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

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C298577&Units=SI>

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

Legend

hfus:	Enthalpy of fusion at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tf:	Normal melting (fusion) point

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