

# Trimipramine

**Other names:**

1-(3-Dimethylamino-2-methylpropyl)-4,5-dihydro-2,3:6,7-dibenzazepine  
10,11-Dihydro-5-(3-dimethylamino-2-methylpropyl)-5H-dibenz(b,f)azepine  
2'-Metil-3'-dimetilamino-propil-5-iminodibenzile  
5-(3-(Dimethylamino)-2-methylpropyl)-10,11-dihydro-5H-dibenz(b,f)azepine  
5-(«gamma»-Dimethylamino-«beta»-methylpropyl)-10,11-dihydro-5H-dibenzo(b,f)azepine  
5-(«gamma»-Dimethylamino-«beta»-methylpropyl)-10,11-dihydro-5H-dibenzo(b,f)azepine  
5H-Dibenz(b,f)azepine, 10,11-dihydro-5-(3-(dimethylamino)-2-methylpropyl)-  
5H-Dibenz[b,f]azepine, 5-[3-(dimethylamino)-2-methylpropyl]-10,11-dihydro-  
5H-Dibenz[b,f]azepine-5-propanamine, 10,11-dihydro-N,N,«beta»-trimethyl-  
5H-Dibenz[b,f]azepine-5-propanamine, 10,11-dihydro-N,N,«beta»-trimethyl-  
7162 RP  
FI 6120  
IL 6001  
RP-7162  
Rhotrimine  
Sapilent  
Surmontil  
Trimeprimina  
Trimeprimine  
Trimeproprimine  
«beta»-Methylimipramine  
«beta»-Methylimipramine

**Inchi:** InChI=1S/C20H26N2/c1-16(14-21(2)3)15-22-19-10-6-4-8-17(19)12-13-18-9-5-7-11-20(18)**InchiKey:** ZSCDBOWYZJWBIY-UHFFFAOYSA-N**Formula:** C20H26N2**SMILES:** CC(CN(C)C)CN1c2ccccc2CCc2ccccc21**Mol. weight [g/mol]:** 294.43**CAS:** 739-71-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.79		Aqueous Solubility Prediction Method
logp	4.121		Crippen Method
mccvol	254.240	ml/mol	McGowan Method
rinpol	2215.00		NIST Webbook
rinpol	2249.00		NIST Webbook

rropol	2228.00	NIST Webbook
rropol	2200.00	NIST Webbook
rropol	2204.00	NIST Webbook
rropol	2215.00	NIST Webbook
rropol	2215.00	NIST Webbook
rropol	2203.00	NIST Webbook
rropol	2201.00	NIST Webbook
rropol	2225.00	NIST Webbook
rropol	2215.00	NIST Webbook
rropol	2203.00	NIST Webbook
rropol	2200.00	NIST Webbook
rropol	2224.00	NIST Webbook
rropol	2201.00	NIST Webbook
rropol	2200.00	NIST Webbook
rropol	2215.00	NIST Webbook
rropol	2228.00	NIST Webbook
rropol	2204.00	NIST Webbook
rropol	2201.00	NIST Webbook
rropol	2203.00	NIST Webbook
rropol	2225.00	NIST Webbook

## Sources

**McGowan Method:**

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

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C739719&Units=SI>

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci990307I>

**Aqueous Solubility Prediction Method:** <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>

## 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>rropol:</b>	Non-polar retention indices

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