Oxazole, 2,2'-(1,4-phenylene)bis[4-methyl-5-phenyl-

Other names: Oxazole, 2,2'-p-phenylenebis[4-methyl-5-phenyl-
Dimethyl-POPOP
1,4-Bis-2-(4-methyl-5-phenyloxazoylyl)benzene
2,2'-p-Phenylenebis(4-methyl-5-phenyl)oxazole
1,4-di-(2-(4-Methyl-5-phenyloxazolyl))-benzene
1,4-Bis(4-methyl-5-phenyloxazol-2-yl)benzene
4-Methyl-2-[4-(4-methyl-5-phenyl-1,3-oxazol-2-yl)phenyl]-5-phenyl-1,3-oxazole
2,2'-(1,4-Phenylene)bis(4-methyl-5-phenyl)oxazole

Inchi: InChI=1S/C26H20N2O2/c1-17-23(19-9-5-3-6-10-19)29-25(27-17)21-13-15-22(16-14-21)2

InchiKey: VLDFXDUAENINOO-UHFFFAOYSA-N

Formula: C26H20N2O2

SMILES: Cc1nc(-c2ccc(-c3nc(C)c(-c4ccccc4)o3)cc2)oc1-c1ccccc1

Mol. weight [g/mol]: 392.45

CAS: 3073-87-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-19.83		Crippen Method
logp	6.947		Crippen Method
mcvol	298.700	ml/mol	McGowan Method
rinpol	3618.00		NIST Webbook
rinpol	3618.00		NIST Webbook
rinpol	3618.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	150.00	kJ/mol	480.00	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3073878&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices