2,5-Bis(p-(dimethylamino)phenyl)-1,3,4-oxadiazol

Inchi: InChI=1S/C18H20N4O/c1-21(2)15-9-5-13(6-10-15)17-19-20-18(23-17)14-7-11-16(12-8-1
InchiKey: FAPXNOXKLZJBMT-UHFFFAOYSA-N
Formula: C18H20N4O
SMILES: CN(C)c1ccc(-c2nnc(-c3ccc(N(C)C)cc3)o2)cc1
Mol. weight [g/mol]: 308.38
CAS: 32444-53-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.76		Crippen Method
logp	3.536		Crippen Method
mcvol	243.290	ml/mol	McGowan Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C32444534&Units=SI

Legend

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