

Morin

Inchi: InChI=1S/C15H10O7/c16-6-1-2-8(9(18)3-6)15-14(21)13(20)12-10(19)4-7(17)5-11(12)22-1
InchiKey: YXOLAZRVSSWPPT-UHFFFAOYSA-N
Formula: C15H10O7
SMILES: O=c1c(O)c(-c2ccc(O)cc2O)oc2cc(O)cc(O)c12
Mol. weight [g/mol]: 302.24

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.08		Aqueous Solubility Prediction Method
log10ws	-3.08		Estimated Solubility Method
logp	1.988		Crippen Method
mcvol	196.320	ml/mol	McGowan Method
tf	576.65	K	Aqueous Solubility Prediction Method

Sources

Estimated Solubility Method: http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Aqueous Solubility Prediction Method: <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tf: Normal melting (fusion) point

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