daidzein

Inchi: InChI=1S/C15H10O4/c16-10-3-1-9(2-4-10)13-8-19-14-7-11(17)5-6-12(14)15(13)18/h1-8,
InchiKey: ZQSIJRDFPHDXIC-UHFFFAOYSA-N
Formula: C15H10O4
SMILES: O=c1c(-c2ccc(O)cc2)coc2cc(O)ccc12
Mol. weight [g/mol]: 254.24

Physical Properties

Property code	Value	Unit	Source
hfus	35.05	kJ/mol	Solubility of daidzein in propylene glycol plus water cosolvent mixtures
log10ws	-8.13		Crippen Method
logp	2.871		Crippen Method
mcvol	178.710	ml/mol	McGowan Method
tf	588.82	K	Solubility of daidzein in propylene glycol plus water cosolvent mixtures

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Solubility of daidzein in propylene glycol plus water cosolvent mixtures: https://www.doi.org/10.1016/j.fluid.2013.12.024

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
tf: Normal melting (fusion) point