

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

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<https://www.chemeo.com/cid/103-039-4/daidzein.pdf>

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