Rutin

Inchi: InChI=1S/C27H30O16.3H2O/c1-8-17(32)20(35)22(37)26(40-8)39-7-15-18(33)21(36)23(3
InchiKey: NLLBWFFSGHKUSY-UHFFFAOYSA-N
Formula: C27H36O19
SMILES: CC1OC(OCC2OC(Oc3c(-c4ccc(O)c(O)c4)oc4cc(O)cc(O)c4c3=O)C(O)C(O)C2O)C(O)C(O
Mol. weight [g/mol]: 664.56

Physical Properties

Property code	Value	Unit	Source
hfus	82.30	kJ/mol	Solubility of Flavonoids in Organic Solvents
tf	450.35	K	Measurement and correlation of the solubilities of luteolin and rutin in five imidazole-based ionic liquids

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=B6005093&Units=SI
Solubilities of rutin in eight solvents at T = 283.15, 298.15, 313.15, 323.15, and 333.15K: https://www.doi.org/10.1016/j.fluid.2007.07.030
Measurement and correlation of the solubilities of luteolin and rutin in five imidazole-based ionic liquids: https://www.doi.org/10.1016/j.fluid.2013.01.026
Solubility of Flavonoids in Organic Solvents: https://www.doi.org/10.1021/je7001094
Solubility of Rutin in Ethanol + Water at (273.15 to 323.15) K: https://www.doi.org/10.1021/je800816f

Legend

hfus: Enthalpy of fusion at standard conditions
tf: Normal melting (fusion) point

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.