

1H-indene-1,3(2H)-dione, 2-(3-hydroxy-2-quinolinyl)-

Inchi: InChI=1S/C18H11NO3/c20-14-9-10-5-1-4-8-13(10)19-16(14)15-17(21)11-6-2-3-7-12(11)
InchiKey: FDTLQXNAPKJJAM-UHFFFAOYSA-N
Formula: C18H11NO3
SMILES: O=C1c2ccccc2C(=O)C1c1nc2ccccc2cc1O
Mol. weight [g/mol]: 289.29

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.96		Crippen Method
logp	3.103		Crippen Method
mcvol	205.630	ml/mol	McGowan Method
tf	533.80	K	Solubility of disperse yellow 54 in supercritical carbon dioxide with or without cosolvent

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Solubility of disperse yellow 54 in supercritical carbon dioxide with or without cosolvent: <https://www.doi.org/10.1016/j.fluid.2007.07.070>
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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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