# Aflatoxin B2

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|---|---|
| **Other names:** | Cyclopenta[c]furo[3',2':4,5]furo[2,3-h][1]benzopyran-1,11-dione, 2,3,6a,8,9,9a-hexahydro-4-methoxy-, (6aR-cis)- |
| | Cyclopenta[c]furo[3',2':4,5]furo[2,3-h][1]benzopyran-1,11-dione, 2,3,6a«alpha»,8,9,9a«alpha»-hexahydro-4-methoxy- |
| | Dihydroaflatoxin B1 |
| | Dihydroafflatoxin B1 |
| | 2,3,6a«alpha»,8,9,9a«alpha»-hexahydro-4-methoxycyclopenta[c]furo[2',3':4,5]furo[2,3-h]c |
| **Inchi:** | InChI=1S/C17H14O6/c1-20-10-6-11-14(8-4-5-21-17(8)22-11)15-13(10)7-2-3-9(18)12(7)1 |
| **InchiKey:** | WWSYXEZEXMQWHT-WNWIJWBNSA-N |
| **Formula:** | C17H14O6 |
| **SMILES:** | COc1cc2c(c3oc(=O)c4c(c13)CCC4=O)C1CCOC1O2 |
| **Mol. weight [g/mol]:** | 314.29 |
| **CAS:** | 7220-81-7 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -8.28 | | Crippen Method |
| logp | 2.153 | | Crippen Method |
| mcvol | 205.510 | ml/mol | McGowan Method |

# Sources

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| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C7220817&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

# Legend

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|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |