# Bisacodyl

**Other names:**

(4,4'-Diacetoxydiphenyl)(2-pyridyl)methane
2-(4,4'-Diacetoxydiphenylmethyl)pyridine
4,4'-(2-Pyridylmethylene)diphenol diacetate (ester)
4,4'-(2-pyridylmethylene)bisphenol diacetate
4,4'-(2-pyridylmethylene)diphenol diacetate
4,4'-Diacetoxydiphenylpyrid-2-ylmethane
4,4'-Diacetoxydiphenylpyridyl-2-methane
Bicol
Brocalax
Di-(4-acetoxyphenyl)-2-pyridylmethane
Di-(p-acetoxyphenyl)-2-pyridylmethane
Dulcolax
Durolax
Endokolat
Eulaxan
Godalax
Hillcolax
Ivilax
LA96A
LACO
Laxanin N
Neolax
Phenol, 4,4'-(2-pyridinylmethylene)bis-, 1,1'-diacetate
Phenol, 4,4'-(2-pyridinylmethylene)bis-, diacetate
Phenol, 4,4'-(2-pyridylmethylene)di-, diacetate (ester)
Pyrilax
Sk-bisacodyl
Stadalax
Telemin
Theralax
bis(p-acetoxyphenyl)-2-pyridylmethane
dulcolan
fenilaxan
laxadin
laxans
laxine
laxorex
nigalax
perilax
phenol, 4,4'-(2-pyridinylmethylene)bis-, diacetate (ester)

| | |
|---|---|
| | phenol, 4,4'-(2-pyridylmethylene)di-, diacetate |
| | sanvacual |
| | zetrax |
| **Inchi:** | InChI=1S/C22H19NO4/c1-15(24)26-19-10-6-17(7-11-19)22(21-5-3-4-14-23-21)18-8-12-2 |
| **InchiKey:** | KHOITXIGCFIULA-UHFFFAOYSA-N |
| **Formula:** | C22H19NO4 |
| **SMILES:** | CC(=O)Oc1ccc(C(c2ccc(OC(C)=O)cc2)c2ccccn2)cc1 |
| **Mol. weight [g/mol]:** | 361.39 |
| **CAS:** | 603-50-9 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -5.65 | | Crippen Method |
| logp | 4.112 | | Crippen Method |
| mcvol | 274.420 | ml/mol | McGowan Method |
| rinpol | 2814.00 | | NIST Webbook |
| rinpol | 2820.00 | | NIST Webbook |
| rinpol | 2790.00 | | NIST Webbook |
| rinpol | 2830.00 | | NIST Webbook |
| rinpol | 2820.00 | | NIST Webbook |
| tf | 407.00 ± 1.00 | K | NIST Webbook |

# Sources

| | |
|---|---|
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C603509&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **Solubility of the Drugs Bisacodyl, Methimazole, Methylparaben, and Iodoquinol in Supercritical Carbon Dioxide:** | https://www.doi.org/10.1021/je020080h |

# Legend

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|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |

| | |
|---|---|
| **mcvol:** | McGowan's characteristic volume |
| **rinpol:** | Non-polar retention indices |
| **tf:** | Normal melting (fusion) point |