

Pholcodine

Other names:

Morphinan-6-ol, 7,8-didehydro-4,5-epoxy-17-methyl-3-[2-(4-morpholinyl)ethoxy]-,
(5«alpha»,6«alpha»)-
Morphinan-6-«alpha»-ol,
7,8-didehydro-4,5-«alpha»-epoxy-17-methyl-3-(2-morpholinoethoxy)-
Codylin

Dia-Tuss

7,8-Didehydro-4,5-«alpha»-epoxy-17-methyl-3-(2-morpholinoethoxy)morphinan-6-«alpha»

Ethnine

Folcodine

Folkodin

Glycodine

Hibernyl

Homocodeine

Memine

Morphine, 03-(2-morpholinoethyl)-

Morphine, 3-O-(2-morpholinoethyl)-

«beta»-Morpholinoethylmorphine

O3-(2-Morpholinoethyl)morphine

3-(2-Morpholinoethyl)morphine

Morpholinylethylmorphine

3-(2-(4-Morpholinyl)ethyl)morphine

3-Morpholylaethylmorphin

Neocodin

Pectolin

Pholcodin

Prodromine

Tetrahydro-1,4-oxazinylmethylcodeine

Weifacodine

Ethnine Simplex

(5«alpha»,6«alpha»)-7,8-Didehydro-4,5-epoxy-17-methyl-3-[2-(4-morpholinyl)ethoxy]mor

«beta»-Morpholinylethylmorphine

Galenphol

Galphol

Neocodine

Pholtex

Tussokon

Inchi: InChI=1S/C23H30N2O4/c1-24-7-6-23-16-3-4-18(26)22(23)29-21-19(5-2-15(20(21)23)14-

InchiKey: GPFAJKDEDBRFOS-UHFFFAOYSA-N

Formula: C23H30N2O4

SMILES: CN1CCC23c4c5ccc(OCCN6CCOCC6)c4OC2C(O)C=CC3C1C5

Mol. weight [g/mol]: 398.50

CAS: 509-67-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.51		Crippen Method
logp	1.204		Crippen Method
mcvol	296.010	ml/mol	McGowan Method
rinpol	3170.00		NIST Webbook
rinpol	3130.00		NIST Webbook
rinpol	3170.00		NIST Webbook
rinpol	3170.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C509671&Units=SI
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
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/21-907-1/Pholcodine.pdf>

Generated by Cheméo on 2026-05-18 12:15:42.840251026 +0000 UTC m=+2871891.898333247.

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