

DIHYDROMORPHINONE ACETATE

Other names:	3-Acetylhydromorphone Hydromorphone, acetyl
Inchi:	InChI=1S/C19H21NO4/c1-10(21)23-15-6-3-11-9-13-12-4-5-14(22)18-19(12,7-8-20(13)2)
InchiKey:	QVIUKMVKLLVCDU-UHFFFAOYSA-N
Formula:	C19H21NO4
SMILES:	CC(=O)Oc1ccc2c3c1OC1C(=O)CCC4C(C2)N(C)CCC314
Mol. weight [g/mol]:	327.38

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.16		Cheméo Relay (1.0)
logp	1.850		Crippen Method
mcvol	236.230	ml/mol	McGowan Method
tf	425.38	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14696221&Units=SI>

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point

Latest version available from:

<https://www.cheméo.com/cid/96-380-4/DIHYDROMORPHINONE-ACETATE.pdf>

Generated by Cheméo on 2026-07-21 08:10:36.54442619 +0000 UTC m=+132532.386311603.

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