

# Picloram, dodecyl ester

**Inchi:** InChI=1S/C18H27Cl3N2O2/c1-2-3-4-5-6-7-8-9-10-11-12-25-18(24)16-13(19)15(22)14(20)  
**InchiKey:** IBNSYRXJGDZUOT-UHFFFAOYSA-N  
**Formula:** C18H27Cl3N2O2  
**SMILES:** CCCCCCCCCCOC(=O)c1nc(Cl)c(Cl)c(N)c1Cl  
**Mol. weight [g/mol]:** 409.78

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.77		Crippen Method
logp	6.702		Crippen Method
mcvol	304.840	ml/mol	McGowan Method
rinpola	3643.00		NIST Webbook
rinpola	3643.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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=U415122&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpola:** Non-polar retention indices

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