# 2-(2-methyl-3-chloroanilino)nicotinic acid

Other names: 2-((3-chloro-2-methylphenyl)amino)nicotinic acid

clonixic acid

InChi=1S/C13H11ClN2O2/c1-8-10(14)5-2-6-11(8)16-12-9(13(17)18)4-3-7-15-12/h2-7H,1

InchiKey: CLOMYZFHNHFSIQ-UHFFFAOYSA-N

Formula: C13H11CIN2O2

SMILES: Cc1c(Cl)cccc1Nc1ncccc1C(=O)O

**Mol. weight [g/mol]:** 262.70

## **Physical Properties**

Property code	Value	Unit	Source
log10ws	-4.26		Crippen Method
logp	3.485		Crippen Method
mcvol	186.150	ml/mol	McGowan Method
tf	505.75	К	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin

### **Temperature Dependent Properties**

Property code	Value	Unit	Temperature [K]	Source
psub	7.53e-04	kPa	419.15	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin
psub	8.67e-04	kPa	421.15	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin

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psub	2.48e-03	kPa	437.15	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin	
psub	2.88e-03	kPa	439.15	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin	
psub	3.18e-03	kPa	441.15	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin	
psub	3.74e-03	kPa	443.15	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin	

#### Sources

**Crippen Method:** https://www.chemeo.com/doc/models/crippen\_log10ws

A thermodynamic study of sublimation, https://www.doi.org/10.1016/j.jct.2019.01.006 dissolution and distribution processes by Gramma Methadery drug Clonixin: http://link.springer.com/article/10.1007/BF023

http://link.springer.com/article/10.1007/BF02311772

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

#### Legend

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

psub: Sublimation pressure

tf: Normal melting (fusion) point Latest version available from:

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