

Cinoxacin

Inchi:	InChI=1S/C12H10N2O5/c1-2-14-7-4-9-8(18-5-19-9)3-6(7)11(15)10(13-14)12(16)17/h3-4
InchiKey:	VDUWPHTZYNWKRN-UHFFFAOYSA-N
Formula:	C12H10N2O5
SMILES:	CCn1nc(C(=O)O)c(=O)c2cc3c(cc21)OCO3
Mol. weight [g/mol]:	262.22
CAS:	28657-80-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.15		Cheméo Relay (1.0)
logp	0.843		Crippen Method
mcvol	170.870	ml/mol	McGowan Method
tf	534.15	K	Jean-Claude Bradley Open Melting Point Dataset (2014, CC0)

Sources

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.cheméo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
Jean-Claude Bradley Open Melting Point Dataset (2014, CC0):	https://figshare.com/articles/Jean_Claude_Bradley_Open_Melting_Point_Dataset/1031637

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.chemeo.com/cid/102-108-8/Cinoxacin.pdf>

Generated by Cheméo on 2026-10-28 04:28:43.681089235 +0000 UTC m=+26766.743990651.

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