

Zaleplon

Other names:

Sonata

Acetamide, N-[3-(3-cyanopyrazolo[1,5-a]pyrimidin-7-yl)phenyl]-N-ethyl-

N-[3-(3-cyanopyrazolo[1,5-a]pyrimidin-7-yl)phenyl]-N-ethylacetamide

Inchi:

InChI=1S/C17H15N5O/c1-3-21(12(2)23)15-6-4-5-13(9-15)16-7-8-19-17-14(10-18)11-20-

InchiKey:

HUNXMJYCHXQEGX-UHFFFAOYSA-N

Formula:

C17H15N5O

SMILES:

CCN(C(C)=O)c1cccc(-c2ccnc3c(C#N)cnn23)c1

Mol. weight [g/mol]:

305.33

CAS:

151319-34-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.44		Crippen Method
logp	2.641		Crippen Method
mcvol	230.580	ml/mol	McGowan Method

Sources

NIST Webbook:<http://webbook.nist.gov/cgi/cbook.cgi?ID=C151319345&Units=SI>**Crippen Method:**<http://pubs.acs.org/doi/abs/10.1021/ci9903071>**Crippen Method:**https://www.chemeo.com/doc/models/crippen_log10ws**McGowan Method:**<http://link.springer.com/article/10.1007/BF02311772>

Legend

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

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