

# N-(5,6-Dichloro-1,3-benzothiazol-2-yl)-2,2,3,3,3-pentafluoropropanamide

**Inchi:** InChI=1S/C10H3Cl2F5N2OS/c11-3-1-5-6(2-4(3)12)21-8(18-5)19-7(20)9(13,14)10(15,16)  
**InchiKey:** YRTUNOSCVKICLA-UHFFFAOYSA-N  
**Formula:** C10H3Cl2F5N2OS  
**SMILES:** O=C(Nc1nc2cc(Cl)c(Cl)cc2s1)C(F)(F)C(F)(F)F  
**Mol. weight [g/mol]:** 365.11

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.77		Crippen Method
logp	4.739		Crippen Method
mcvol	184.050	ml/mol	McGowan Method
rinpola	1938.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.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=U373454&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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