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Subject: sp3 count

Posted by [mvamos](#) on Mon, 09 Aug 2021 22:22:08 GMT

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I'm curious about the sp3-Atoms count from the Calculate Properties->Atom Counts section. Generally for fraction sp3 calculations, it's # of sp3 carbon atoms divided by total carbon atoms. The sp3-Atoms count from DW seems to over-count, just not sure what else it's including.

In the attached photo, for the compound I count 3 sp3 carbon atoms, but DW returns 5.

Feature request: it might be more useful for users if it calculated the fraction of sp3 carbons instead of just # of sp3 atoms, as it's common to report the fraction for druglike compounds. <https://pubs.acs.org/doi/10.1021/jm901241e>

Thanks and keep up the good work!

## File Attachments

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1) [Untitled9.png](#), downloaded 878 times

Calculate Compound Properties

Druglikeness | LE, Tox, Shape | **Atom Counts** | Ring Counts | Fur

- Disconnected Fragment Count
- Non-Hydrogen Atom Count
- Non-Carbon/Hydrogen Atom Count
- Metal-Atom Count
- Electronegative Atom Count (N, O, P, S, F, Cl, Br, I, As, Se)
- Stereo Center Count
- Rotatable Bond Count
- Ring Closure Count
- Aromatic Atom Count
- sp3-Atom Count
- Symmetric Atom Count

Rotatable Bonds	8
sp3-Atoms	5
Structure	