
Subject: Re: polycyclic molecule displaying issue
Posted by [nbehrnd](#) on Tue, 29 Oct 2024 21:35:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

With DW you don't have leverage to alter DataWarrior's attempt to identify by itself the best 2D projection of a 3D molecule. If you copied the SMILES string to the clipboard memory of the computer, then double clicked into a field of the DW spreadsheet, a click with the right mouse button allows to paste the SMILES string already as structure. With the lasso, it is possible to move a little bit the atoms and bonds (as in the video attached), or iron out some oddities with the star button; but that's all. In this regard, DW is not like ChemDraw or Marvin where you can somewhat optimize and reorient the structure formula, or toggle on/off the descriptors of stereochemistry.

An idea for future versions of DataWarrior could be to let the user choose for each .dwar file for structure formulae either with the current 3D projection approach, or a "flattened" one as e.g., by CDKDepict (example attached). But I have no idea how much work this were to provide this choice.

Best regards,

Norwid


File Attachments

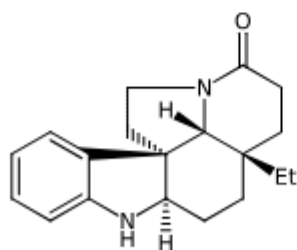
- 1) [example_DW.mp4](#), downloaded 299 times
- 2) [example_marvin.mp4](#), downloaded 313 times
- 3) [example_CDKDepict.png](#), downloaded 458 times

CDK DEPICT

Generate depictions of molecules and reactions from [SMILES](#) or [SDF](#).

```
CC[C@@]12CCC(=O)N3CC[C@]4(C5=CC=CC=C5N[C@@H]4CC1)[C@H]32
```

 Black on Clear No Annotation Smart Hydrogens Abbre



#1

Built with the [Chemistry Development Kit](#). Depict v1.11-SNAPSHOT, CDK v2.10-SN