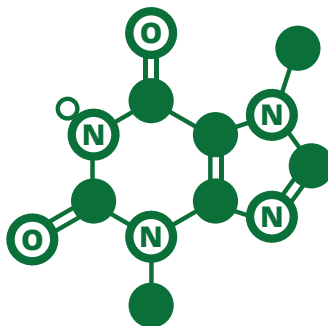
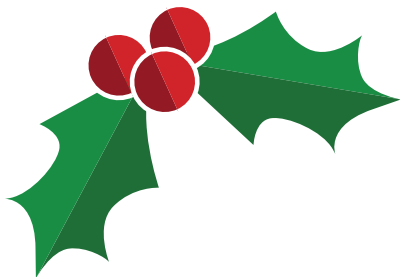


CHEMISTRY ADVENT 2017

15

THE HOLLY AND THE IVY

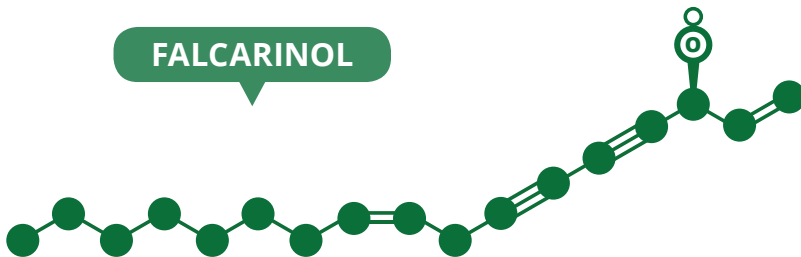


THEOBROMINE

- Carbon
- Oxygen
- Ⓝ Nitrogen
- Hydrogen

Note: hydrogens on carbon atoms implied; each carbon has 4 bonds.

FALCARINOL



Holly berries contain bitter compounds called alkaloids, making them mildly toxic if eaten. One of these alkaloids is theobromine, also found in chocolate in small amounts. Common ivy contains a compound, falcarinol, which can cause moderate allergic reactions in some people on skin contact. This differs from the compound found in poison ivy, urushiol, which can also irritate the skin.



© Andy Brunning/Compound Interest 2017 - www.compoundchem.com | [@compoundchem](https://twitter.com/compoundchem)
Shared under a Creative Commons Attribution-NonCommercial-NoDerivatives licence.

