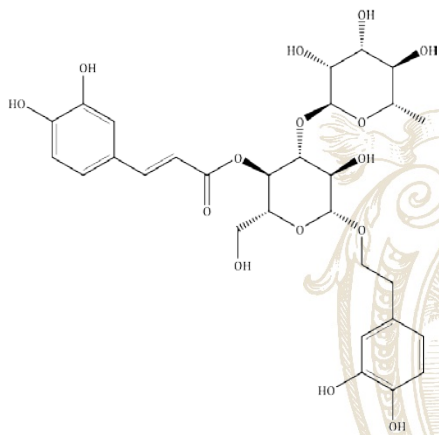




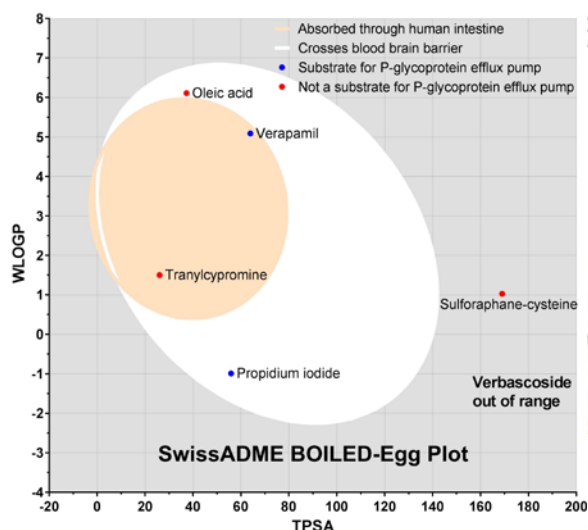
OliveNet™ Newsletter

Molecule of the month

Verbascoside



Verbascoside is found in lemon verbena and the olive. It possesses potent antioxidant activity, found to be stronger than other antioxidants including hydroxytyrosol and caffeic acid.



We analysed verbascoside using SwissADME and the results indicate that verbascoside is not absorbed through human intestines, and is not predicted to cross the blood-brain-barrier. The analysis indicates that verbascoside is a substrate for the P-glycoprotein pump, and was also shown to not inhibit certain liver isoenzymes.

Julia Liang's recipe of the month

Jewish honey cake - lekach

Apart from being a talented McCord Research molecular modelling scholar, Julia Liang is an avid "foodie". This month Julia has prepared Jewish honey cake (lekach) – a traditional Jewish New Year treat!

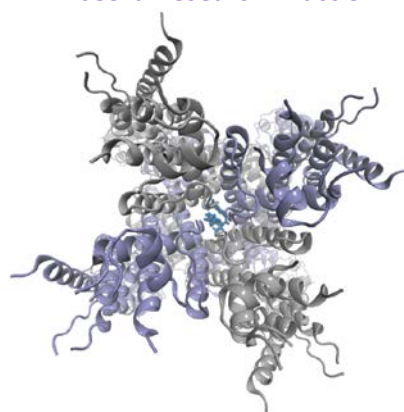


[Approximate calculations: Total EVVO = 118 mL (110 g); Serves 6. Per serve = 160 calories (or 8.0% of 2,000 calorie diet), 18 g EVVO (or 37% of typical daily recommendation), ~4.5 mg olive polyphenols (assuming 250 mg/kg in average EVOO)].

For further details please see our [OliveNet Library Facebook page](#) and visit [Julia's Cooking Revista](#).

*** All of Julia's recipes are tried and tested.**

McCord Research in action



hERG is an ion channel in the heart, and is an important antitarget that must be avoided during drug development. The image here shows the hERG protein bound to dofetilide, an anti-arrhythmic drug. McCord Research Scholar Jacqueline Prestedge is a molecular modelling student whose work is aimed at characterising the OliveNet database for potential inhibition of the hERG protein.