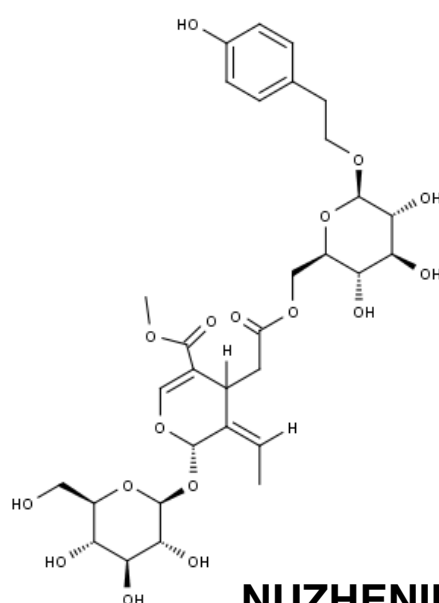


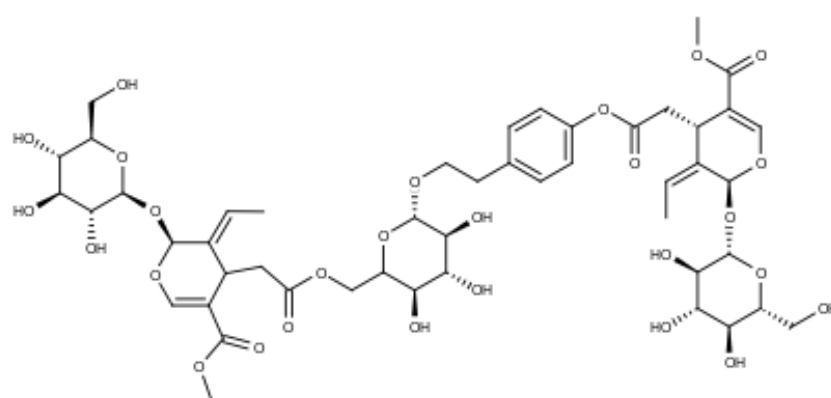
SECO-IRIDIDS FROM *FRAXINUS EXELSIOR* NOW AVAILABLE !



By Pleple2000 (Own work) [GFDL (<http://www.gnu.org/copyleft/fdl.html>), CC-BY-SA-3.0]



NUZHENIDE from *Fraxinus excelsior*
Extrasynthese # 0236S



GL3 from *Fraxinus excelsior*
Extrasynthese # 0234S

Fraxinus excelsior, known as « European ash », is a species native to most of Europe and also widely cultivated and naturalized in north-east of the USA and Canada. The fruit is a samara, usually hanging in bunches, often called « ash keys ». European ash has been used in traditional medicine, in particular for the hypoglycemic effect of its seed extract.

Recent studies have shown that the two principal seco-iridoids NUZHENIDE and GL3 of an extract obtained from the seeds are believed to be the actives responsible for this hypoglycemic action (1)(2), as well as antihypertensive effect (3). NUZHENIDE and GL3 are complex seco-iridoid structures, which have been discovered and elucidated in the recent years (4). They are specific to plants of the Oleaceae family. NUZHENIDE can also be found in olive seeds together with other seco-iridoids like OLEUROPEIN.

EXTRASYNTHÈSE has a long experience and interest in iridoid phytochemistry. Looking at the recent development activities related to *Fraxinus excelsior* seed extracts in academic research and industry, we have isolated, purified and qualified as authentic analytical standards, samples of both NUZHENIDE and GL3. These products have been made available to research and testing laboratories for the first time at the end of 2015.

Further studies are in progress at EXTRASYNTHÈSE to continue to extend our unique collection of seco-iridoids.

References :

- (1) A. Ibarra and coll , Phytomedicine 18 (2011) 479-485
- (2) F. Montó and coll , Food & Function (2014) 5 (4) 786-96
- (3) N. López-Carreras and coll , Food Research Int. (2013) 53(1) 10-13
- (4) Review : I. Kostova, T. Iossifova, Fitoterapia (2007) 78(2) 85-106

Contact: info@extrasynthese.com

WWW.EXTRASYNTHÈSE.COM