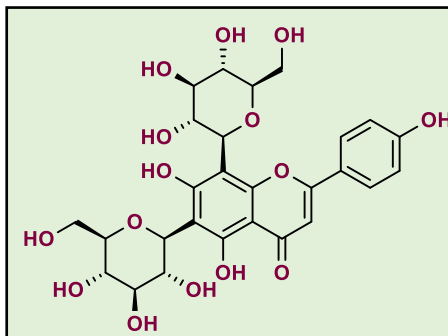


(+)-Vicenin-2

- (+)-Vicenin-2 is a bis-C-glycosyl flavonoid, isolated from *Urtica circularis*, an Argentinian native herb, first isolated in 2011 by Marrassini et al.
- The leaves of this plant have been used in traditional medicine as an astringent and diuretic to promote fertility.
- The roots have been used to treat coughing, diarrhea, hair loss, and to aid in weight-loss.
- Perhaps most interesting, the plant has seen usage in as an antirheumatic and anti-inflammatory agent (in alcohol for muscular pain).
- (+)-Vicenin-2 demonstrated potent anti-inflammatory activity when tested in vitro.



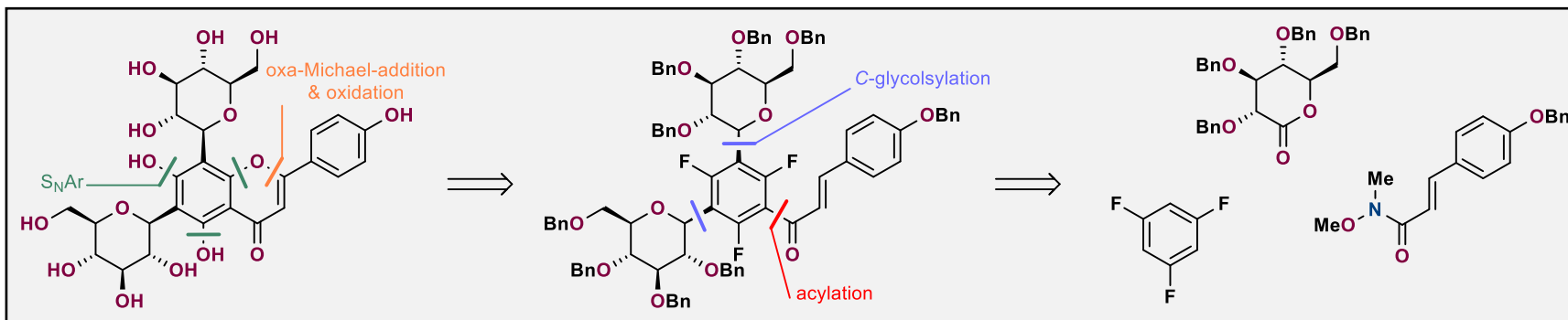
(+)-Vicenin-2



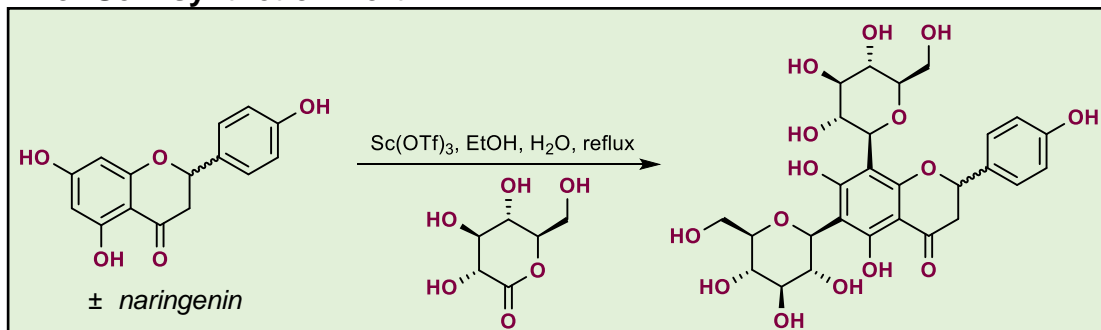
Urtica circularis

Marrassini, C. *J. Nat. Prod.* **2011**, 74, 6, 1503–1507. <https://doi.org/10.1021/np100937e>

Retrosynthetic Analysis

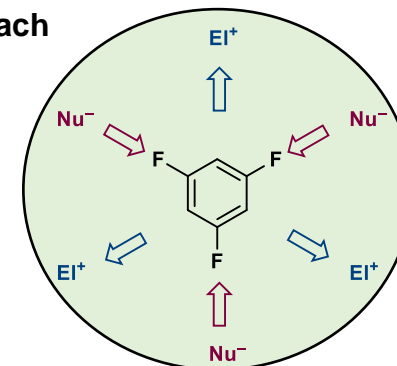


Prior Semisynthetic Effort



Shie, J. *Org. Biomol. Chem.* **2010**, 8, 4451–4462. DOI: [10.1039/c0ob00011f](https://doi.org/10.1039/c0ob00011f).

This Approach



Ho, T. *Org. Lett.* **2016**, 18, 18, 4488–4490. <https://doi.org/10.1021/acs.orglett.6b02203>

(+)-Vicenin-2 (Suzuki, 2016)

