



- First isolated by Sun and coworkers in 2010
- Has potent antihepatitis, antitumor, and anti-HIV activities
- Member of the Schinortriterpenoids, containing a 7/8/3-fused carbocyclic core
- First example of a preschisanartane-type nortriterpenoids without an oxabridged hemiketal within the eight-membered carbocyclic ring
- Challenges include: a highly substituted bicyclo[6.1.0]nonane core bearing an all-carbon quaternary stereogenic centers and a highly labile α -hydroxy ketone motif nestled in the central medium-sized cyclooctane ring
- Features transition-metal-catalyzed cycloisomerization of enyne, asymmetric Diels-Alder, Stille coupling, and Sharpless asymmetric dihydroxylation



Schisandra propinqua



