

limonoids, a class of tetranortriterpenoids

phragmalin-type limonoids, featuring a signature $\text{tricyclo}[3.3.1^{2,10}.1^{4,4}]$ decane core

critical to suppress competing O-Michael addition

carefully controlled amount

freshly depolymerized

selective deprotection

superstoichiometric amount crucial

intramolecular Heck reaction

proton source such as MeOH led to an exclusive

