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Triterpenoid Saponins From *Sesbania vesicaria*

Abstract

Nine oleanane saponins including three new and six known were isolated from the seeds of *Sesbania vesicaria*. The new saponins were established as 3-*O*-[α -L-rhamnopyranosyl-(1 \rightarrow 3)]- β -D-glucuronopyranosyl-3 β ,29-dihydroxy-olean-12-en-28-oic acid, 3-*O*- α -L-rhamnopyranosyl-28-*O*- β -D-glucopyranosyl-3 β -hydroxy-olean-12-en-23-al-28-oate, and 3-*O*- α -L-rhamnopyranosyl-28-*O*- β -D-glucopyranosyl-3 β ,23-dihydroxy-olean-12-en-28-oate. All isolated saponins were assayed for their DNA topoisomerase I inhibition ability and cytotoxicity against A549 human lung adenocarcinoma epithelial cells with no positive activity detected ($IC_{50} > 312 \mu\text{M}$ and $GI_{50} > 25 \mu\text{M}$, respectively).