

Chemical Analysis using LC-QToF

Plant Details:

NCNPR #	Accepted name	Family	Part	Collected by	TAXID (UoM)	Locality
13901	<i>Nerium oleander</i> L.	Apocynaceae	Stem	MOBOT	TAX0046063	Peru, South America

Nerium oleander

- Oleander (*Nerium oleander*) is an evergreen shrub native of Southern Europe belonging to the Apocynaceae family. It is a highly toxic plant since all parts, whether fresh or dried, are poisonous as they contain several cardiac glycosides, referred to as cardenolides (**oleandrin**, $C_{32}H_{48}O_9$, m/z **621.3280** **[M+COOH]⁻** and **oleandrigenin** $C_{25}H_{36}O_6$, m/z **477.2494** **[M+COOH]⁻**), and other active principles. **Oleandrin** detection is routinely used as a diagnostic tool in the case of poisoning [1].
- Tentative identification of these **TWO compounds** is based on accurate mass analysis (LC-QToF).

