

Chemical Analysis using LC-QToF

Plant Details:

NCNPR #	Accepted name	Family	Part	Collected by	TAXID (UoM)	Locality
2033	<i>Aconitum napellus</i> L.	Ranunculaceae	Mixed parts	NA	TAX0001017	Williams Warehouse, old pharmacognosy department collection

Aconitum napellus L.

- diester-diterpene *Aconitum* alkaloids, viz., **mesaconitine** ($C_{33}H_{45}NO_{11}$, m/z 632.3065 (frag. 572.2848) [1], **hyaconitine** ($C_{33}H_{45}NO_{10}$, m/z 616.3116 (frag. 556.2918) [2], and **aconitine** ($C_{34}H_{47}NO_{11}$, m/z 646.3222 (frag. 586.3019) [3], are highly toxic compounds commonly present in the aconite roots [1].
- Tentative identification of these **THREE compounds** is based on accurate mass analysis (LC-QToF).

