



TECHNICAL DATA

NOTEXIN Np, Prod. No. L81 04,
a toxic presynaptic PLA₂ with potent myotoxic activity; HPLC pure.
119-amino acid protein, from *Notechis scutatus* snake venom.

Molecular Weight: 13,574.

Solubility: well in water and saline.

Purity: 93% (HPLC).
Notexin, purified according to Karlsson *et al.* ⁽¹⁾ from the venom of snakes collected near Sydney, was shown by HPLC ^(2, 4) to be composed of several components, which are structurally and functionally very similar:
- **Notexin Np** and
- Notechis Ns, a minor natural variant

Biological activity:
Notexin exerts both **presynaptic** (blocks the release of acetylcholine) and **myotoxic** activities ^(1, 3).

Toxicity: minimal L.D. is 25 µg/kg mouse when injected intravenously ⁽¹⁾

Storage recommendations:
stable in freeze-dried state. In solution, keep at -20 °C.

CAS Reg. N°: 37223-96-4

Bibliographic references:

1. Karlsson *et al.* *Toxicon* **10**:405-413 (1972).
2. Mollier *et al.* *Eur. J. Biochem.* **185**:263-270 (1989).
3. Halpert *et al.*, *J. Biol. Chem.* **250**:6990-6997 (1975).
4. Chwetzoff *et al.*, *FEBS Letters* **161**(2):226-230 (1990).