



>>Entry Name: ω-Conotoxin GVI A

CAS Registry Number: 106375-28-4

Related CAS Registry Numbers(s): 92078-76-7

General Statement: Struct. consists of a single polypeptide chain containing 27 amino acids and 3 disulfide bridges

Biological Source: Neurotoxin isol. from venom of *Conus geographus*

Use/Importance: Selective blocker of neuronal N-type Ca^{2+} channels. Pharmacological tool

Sigma: C9915

References:

Olivera, B.M. *et al.*, *Biochemistry*, 1984, **23**, 5087, (*isol, struct*)

Nishuichi, Y. *et al.*, *Pept. Chem.*, 1985, **23**, 77, (*synth*)

Rivier, J. *et al.*, *J. Biol. Chem.*, 1987, **262**, 1194, (*synth, pharmacol*)

McCleskey, E.W. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1987, **84**, 4327, (*pharmacol*)

Gray, W.R. *et al.*, *Annu. Rev. Biochem.*, 1988, **57**, 665, (*rev*)

Sevilla, P. *et al.*, *Biochem. Biophys. Res. Commun.*, 1993, **192**, 1238, (*pmr*)

Skalicky, J.J. *et al.*, *Protein Sci.*, 1993, **2**, 1591, (*conformn*)