

Table 1. Comparison of the clostridial neurotoxin ion channels in planar lipid bilayers with those of a protein-conducting channel of the endoplasmic reticulum.

Property	TeNT ^a	BoNT/B ^a	BoNT/C ^b	Endoplasmic reticulum channel ^c
Conductance (pS)	45	15	15	220
Ion selectivity	X ⁺	X ⁺	X ⁺	Non-selective
Size of permeant ion	>Glucosamine	ND	>Glucosamine	>Glucosamine
pH dependence	4.0–5.0	4.0–5.0	6.1	ND
Voltage dependence of conductance	+	+	+	—

a. Hoch *et al.* (1985).

b. Donovan and Middlebrook (1986).

c. Simon and Blobel (1991).