
Product Name	: Guangxitoxin 1E	EGECGGFWWKCGSGKPACCPKYVCSPKWGLCNFPMP (Disulfide bridge:Cys4-Cys19;Cys11-Cys24;Cys18-Cys31)
Cat. No.	: PC-21704	1. Herrington J, et al. <i>Diabetes</i> . 2006
CAS No.	: 1233152-82-3	Apr;55(4):1034-42.
Molecular Formula	: C ₁₇₈ H ₂₄₈ N ₄₄ O ₄₅ S ₇	
Molecular Weight	: 3948.6	
Target	: Potassium Channel	
Solubility	: 10 mM in DMSO	

Biological Activity

Guangxitoxin 1E is a potent, specific inhibitor of **Kv2.1** (KCNB1) and **Kv2.2** with IC₅₀ of 1-3 nM, has no significant effect on KV1.2, KV1.3, KV1.5, KV3.2 and BK potassium channels, also inactive against calcium and sodium channels CaV1.2, CaV2.2, NaV1.5, NaV1.7, NaV1.8.

References

