

## Hemokinin 1, human

Cat. No.:	HY-P1198
CAS No.:	491851-53-7
Molecular Formula:	C <sub>54</sub> H <sub>84</sub> N <sub>14</sub> O <sub>14</sub> S
Molecular Weight:	1185.4
Sequence Shortening:	TGKASQFFGLM-NH2
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder    -80°C    2 years
	-20°C    1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

### BIOLOGICAL ACTIVITY

Description	Hemokinin 1, human is a selective tachykinin neurokinin 1 (NK1) receptor full agonist. Hemokinin 1, human is a full agonist at NK2 and NK3 receptor. Hemokinin 1, human can produces an opioid-independent analgesia <sup>[1][2]</sup> .		
IC <sub>50</sub> & Target	NK1	NK2	NK3

### REFERENCES

- [1]. Cai-Yun Fu, et al. Hemokinin-1(4-11)-induced analgesia selectively up-regulates  $\delta$ -opioid receptor expression in mice. PLoS One
- [2]. Francesca Bellucci, et al. Pharmacological profile of the novel mammalian tachykinin, hemokinin 1. Br J Pharmacol. 2002 Jan;135(1):266-74.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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