

## GR 64349

<b>Cat. No.:</b>	HY-P1278
<b>CAS No.:</b>	137593-52-3
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>68</sub> N <sub>10</sub> O <sub>11</sub> S
<b>Molecular Weight:</b>	921.11
<b>Sequence Shortening:</b>	KDSFV{Aaa}LM-NH <sub>2</sub>
<b>Target:</b>	Neurokinin Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

## BIOLOGICAL ACTIVITY

### Description

GR 64349 is a potent and highly selective NK<sub>2</sub> receptor peptide antagonist, with an EC<sub>50</sub> of 3.7 nM in rat colon. GR 64349 exhibits selectivity >1000 and >300-fold with respect to NK<sub>1</sub> and NK<sub>3</sub> receptors, respectively<sup>[1][2]</sup>.

## REFERENCES

[1]. Y Chang, et al. Tachykinin receptor subtypes in the isolated guinea pig heart and their role in mediating responses to neurokinin A. *J Pharmacol Exp Ther.* 2000 Jul;294(1):147-54.

[2]. M J Deal, et al. Conformationally constrained tachykinin analogues: potent and highly selective neurokinin NK-2 receptor agonists. *J Med Chem.* 1992 Oct 30;35(22):4195-204.

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

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