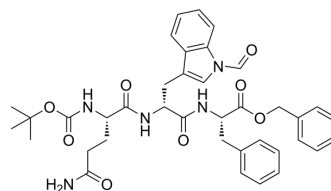


## QWF Peptide

<b>Cat. No.:</b>	HY-135108
<b>CAS No.:</b>	126088-82-2
<b>Molecular Formula:</b>	C <sub>38</sub> H <sub>43</sub> N <sub>5</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	697.78
<b>Sequence:</b>	{Boc}-Gln-[d-Trp(Formyl)]-Phe-{OBzl}
<b>Sequence Shortening:</b>	{Boc}-Q-[d-Trp(Formyl)]-F-{OBzl}
<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

<b>Description</b>	QWF Peptide (Compound 4a) is a substance P antagonist with an IC <sub>50</sub> of 0.09 μM. QWF Peptide antagonizes the SP-induced contraction of isolated guinea pig trachea strips with an IC <sub>50</sub> of 4.7 μM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.09 μM (substance P) <sup>[1]</sup>

### REFERENCES

[1]. Hagiwara D, et al. Studies on neurokinin antagonists. 1. The design of novel tripeptides possessing the glutamyl-D-tryptophylphenylalanine sequence as substance P antagonists. J Med Chem. 1992 May 29;35(11):2015-25.

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

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