

## Thymopoietin i/ii (29-41) (bovine)

<b>Cat. No.:</b>	HY-P3967
<b>CAS No.:</b>	56795-64-3
<b>Molecular Formula:</b>	C <sub>73</sub> H <sub>115</sub> N <sub>19</sub> O <sub>22</sub>
<b>Molecular Weight:</b>	1610.81
<b>Sequence Shortening:</b>	GEQRKDVVQLYL
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Thymopoietin i/ii (29-41) (bovine) is a peptide corresponding to positions 29-41 of bovine thymopoietin II. Thymopoietin i/ii (29-41) (bovine) is a neuromuscular blocker <sup>[1]</sup> .
<b>In Vitro</b>	Thymopoietin i/ii (29-41) (bovine) causes Neostigmine-responsive neuromuscular block in mice similar to that which thymopoietin itself produces. This 13 aminoacid sequence must therefore contain the key residues in the thymopoietin molecule responsible for both T-cell differentiation and neuromuscular effects <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. G Goldstein, et al. Thymopoietin and myasthenia gravis: neostigmine-responsive neuromuscular block produced in mice by a synthetic peptide fragment of thymopoietin. Lancet. 1975 Aug 9;2(7928):256-9.

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

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