

## Demoxytocin

Cat. No.:	HY-P2168
CAS No.:	113-78-0
Molecular Formula:	C <sub>43</sub> H <sub>65</sub> N <sub>11</sub> O <sub>12</sub> S <sub>2</sub>
Molecular Weight:	992.17
Target:	Oxytocin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Demoxytocin, a heterodetic cyclic peptide, is an analog of oxytocin. Demoxytocin affects the permeability of the cell membrane, increasing the content of calcium ions in smooth muscle cells, increasing its contraction. Demoxytocin also stimulates the contraction of smooth muscles of the uterus. Demoxytocin has the function of oxytocin. Demoxytocin can be used to research stimulation of labor in cases of premature rupture<sup>[1]</sup>.

### REFERENCES

[1]. Westergaard JG, et al. Use of oral oxytocics for stimulation of labor in cases of premature rupture of the membranes at term. A randomized comparative study of prostaglandin E2 tablets and demoxytocin resoriblets. Acta Obstet Gynecol Scand. 1983;62(2):111-6.

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

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