

## Urantide

Cat. No.:	HY-108055
CAS No.:	669089-53-6
Molecular Formula:	C <sub>51</sub> H <sub>66</sub> N <sub>10</sub> O <sub>12</sub> S <sub>2</sub>
Molecular Weight:	1075.26
Sequence Shortening:	D-{Pen}-F-{d-Trp}-{Orn}-YCV (Disulfide bridge: Cys2-Cys7)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Urantide is a selective and competitive urotensin-II (UT) receptor antagonist peptide (pKB=8.3) that blocks human urotensin-II (hU-II)-induced contractions in rat thoracic aorta ex vivo. Urantide can be used to study the (patho)physiological role of hU-II in the mammalian cardiovascular system <sup>[1]</sup> .
IC <sub>50</sub> & Target	urotensin-II Receptor (UT Receptor) <sup>[1]</sup> .

### REFERENCES

[1]. Patacchini R, et al. Urantide TFA: an ultrapotent urotensin II antagonist peptide in the rat aorta. Br J Pharmacol. 2003 Dec;140(7):1155-8.

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

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