

## TAK 044

Cat. No.:	HY-105168
CAS No.:	157380-72-8
Molecular Formula:	C <sub>45</sub> H <sub>51</sub> N <sub>9</sub> Na <sub>2</sub> O <sub>11</sub> S
Molecular Weight:	971.98
Sequence:	cyclo({d-Asp}-{α-amino-γ-oxo-4-phenyl-1-piperazinebutanoyl-Asp}-Asp-{d-(2-thienyl)glycine}-Leu-{d-Trp}) (disodium salt)
Sequence Shortening:	cyclo({d-Asp}-{α-amino-γ-oxo-4-phenyl-1-piperazinebutanoyl-Asp}-D-{d-(2-thienyl)glycine}-L-{d-Trp}) (disodium salt)
Target:	Endothelin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

TAK 044 is an antagonist of Endothelin Receptor. TAK 044 strongly inhibits ET-induced deterioration in various animal models. TAK 044 can be used in study ET-related diseases such as acute myocardial infarction, acute renal failure, acute hepatic malfunction, and subarachnoid hemorrhage<sup>[1]</sup>.

### REFERENCES

[1]. Toshifumi Watanabe, et al. TAK-044: An Endothelin Receptor Antagonist. , 14(1), 36–46.

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

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