HOE-140
Product Number H-157
Storage Temperature –20 °C

Cas #: 138614-30-9
Synonyms: H2N-D-Arg-Arg-Pro-Hyp-Gly-Thi-Ser-D-Tic-Oic-Arg-OH; D-Arginyl-L-arginyl-L-prolyl-trans-4-hydroxy-L-prolylglycyl-3-(2-thienyl)-L-alanyl-L-seryl-D-1,2,3,4-tetrahydro-3-isoquinolinecarbonyl-L-(2α,3β,7αβ)-octahydro-1H-indole-2-carbonyl-L-arginine

Product Description
Mol. Formula: C59H89N19O13S
MW: 1304.6 (peptide free base)
Synthetic
White powder
Purity: >90% by HPLC
Peptide content: approx. 60%; remainder is salt and water of hydration.

HOE 140 is a selective B2 bradykinin receptor antagonist. There are two known receptors for bradykinin, both of which are G-protein linked. The B2 receptor is constitutively expressed on most cell types, while B1 receptors are induced in response to inflammation, tissue damage or bacterial infection. The B2 receptor appears to be involved in normal cardiovascular regulation and preservation of cardiac structure. B2 antagonists increase heart rate and blood pressure. B2 knockout mice develop cardiomyopathy. B2 agonists are potent pain inducers and have pro-inflammatory activity. HOE-140 has been shown to have analgesic and anti-inflammatory effects in some models.

Preparation Instructions
Allow HOE 140 to come to room temperature in a desiccator prior to opening the container. Dissolve the peptide at 1 mg/ml in distilled water. The solution may be sonicated briefly to aid in solubilization. Buffer or saline should be added only after the peptide is fully in solution. Solutions should be stored at pH 5-7 in single-use aliquots at –20 °C.

Storage/Stability
Store tightly sealed at –20 °C.

References