

Vasomera

Cat. No.:	HY-P3500
CAS No.:	1416067-68-9
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Vasomera

BIOLOGICAL ACTIVITY

Description	Vasomera is a stable long-acting vasoactive intestinal peptide (VIP) agonist. Vasomera acts on the G-protein-coupled VPAC2-receptors. Vasomera can be used for the research of cardiomyopathy associated with dystrophinopathies ^[1] .								
In Vivo	<p>Vasomera (i.v.; 7.5 µg/kg/min; single) improves arterial elastance and ventriculo-arterial coupling and improves indices of diastolic function (i.e., lusitropy) in animals with chronic renoprival hypertension mimicking heart failure with preserved ejection fraction (HFpEF)^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>Rats^[1]</td> </tr> <tr> <td>Dosage:</td> <td>7.5 µg/kg</td> </tr> <tr> <td>Administration:</td> <td>IV, 7.5 µg/kg/min, single</td> </tr> <tr> <td>Result:</td> <td>Decreased the estimated arterial elastance, improved ventriculo-arterial coupling, reduced filling pressures, accelerated the time-constant of relaxation and improved compliance.</td> </tr> </table>	Animal Model:	Rats ^[1]	Dosage:	7.5 µg/kg	Administration:	IV, 7.5 µg/kg/min, single	Result:	Decreased the estimated arterial elastance, improved ventriculo-arterial coupling, reduced filling pressures, accelerated the time-constant of relaxation and improved compliance.
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REFERENCES

[1]. Carlos L del Rio, et al. Vasomera, a Novel VPAC2-Selective Vasoactive Intestinal Peptide Agonist, Improves Arterial Elastance and Ventriculo-Arterial Coupling in Rats with Induced Diastolic Dysfunction via Renoprival Hypertension. Hypertension Vol. 64, No. suppl_1.

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

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