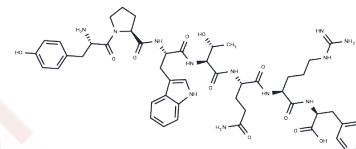


## Hemorphin-7

## Chemical Properties

CAS No. :	152685-85-3
Formula:	C49H64N12O11
Molecular Weight:	997.11
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Hemorphin-7 binds to the angiotensin IV receptor, triggering multiple effects including cellular proliferation and memory enhancement. Hemorphins are endogenous peptides belonging to the family of atypical opioid peptides released from hydrolyzed hemoglobin. Hemorphin-7 is investigated as a potential biomarker for breast cancer.
Targets(IC50)	Opioid Receptor, Angiotensin-converting Enzyme (ACE)

## Solubility Information

Solubility	H2O: 12.5 mg/mL (12.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0029 mL	5.0145 mL	10.029 mL
5 mM	0.2006 mL	1.0029 mL	2.0058 mL
10 mM	0.1003 mL	0.5014 mL	1.0029 mL
50 mM	0.0201 mL	0.1003 mL	0.2006 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Dejouvenel T, et al. Hemorphin 7 reflects hemoglobin proteolysis in abdominal aortic aneurysm. *Arterioscler Thromb Vasc Biol.* 2010 Feb;30(2):269-75.

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