

## PSMA targeting peptide

Cat. No.:	HY-P10055
CAS No.:	2042750-71-8
Molecular Formula:	C <sub>70</sub> H <sub>122</sub> N <sub>24</sub> O <sub>19</sub>
Molecular Weight:	1603.87
Sequence:	Gly-Arg-Phe-Leu-Thr-Gly-Gly-Thr-Gly-Arg-Leu-Leu-Arg-Ile-Ser
Sequence Shortening:	GRFLTGGTGRLLRIS
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	PSMA-1 is a PSMA targeting peptide (GRFLTGGTGRLLRIS) and can be used for for targeted delivery of glucose-regulated protein (GRP)-silencing siRNAs in PCa cells.?PSMA-1 is selected and polyarginine sequences R6?or R9?were added at the C terminus to generate the CTPs. FITC labeling of the peptide with an aminohexanoic acid (Ahx) linker at the N terminus produced FITC-PSMA-1, to track PSMA binding on PCa cells <sup>[1]</sup> ?
IC <sub>50</sub> & Target	IC50: PSMA <sup>[1]</sup>

### REFERENCES

[1]. Christopher N Cultrara, et al. Size Matters: Arginine-Derived Peptides Targeting the PSMA Receptor Can Efficiently Complex but Not Transfect siRNA. Mol Ther Nucleic Acid. 019 Dec 6:18:863-870.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA