

[D-Phe2,6,Pro3]-LHRH

PRODUCT DESCRIPTION

[D-Phe2,6,Pro3]-LHRH is a 14-amino-acid synthetic peptide. A synthetic peptide used as a research tool in biochemistry, pharmacology, and biomedical research. This peptide enables the study of protein-protein interactions, receptor binding, enzyme substrate specificity, and signal transduction pathways. Available in high purity (>=95% by HPLC) as a lyophilized powder for reconstitution in appropriate buffers.

PRODUCT SPECIFICATIONS

Catalog Number	BPT0816
CAS Number	67019-15-2
Molecular Weight	1193.3493 Da
Molecular Formula	C59H80N14O13
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

{Pyr}fPSYfLRPG-NH2

Three-Letter Code:

H-{Pyr}-{D-Phe}-Pro-Ser-Tyr-{D-Phe}-Leu-Arg-Pro-Gly-NH2

RESEARCH APPLICATIONS

Application	Receptor binding
Biomarker Target	GnRH Receptor
Research Area	Reproductive Biology
Sub-category	GnRH & Reproductive Hormones

STORAGE & HANDLING

Storage Temperature	-20 deg C
Form	Lyophilized
Stability	Lyophilized product stable for 24 months at -20 deg C
Reconstitution	Reconstitute in sterile water or appropriate buffer
After Reconstitution	Aliquot and store at -20 to -80 deg C
Avoid	Repeated freeze-thaw cycles

AVAILABLE SIZES

Size Options	1 mg, 10 mg
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Usage

Research use

QUALITY CONTROL

Purity Method

HPLC, Mass Spectrometry (MS)

Identity

Confirmed by ESI-MS or MALDI-TOF

Purity

Peak Area by HPLC >=95%

Documentation

Certificate of Analysis (CoA) available upon request