

(D-TRP6)-LHRH (FREE ACID)

PRODUCT DESCRIPTION

(D-TRP6)-LHRH (FREE ACID) is a 12-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	BPT1251
CAS Number	129418-54-8
Molecular Weight	1312.4302 Da
Molecular Formula	C64H81N17O14
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}HWSYwLRPG

Three-Letter Code:

H-{Pyr}-His-Trp-Ser-Tyr-{D-Trp}-Leu-Arg-Pro-Gly-OH

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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Research use

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