

Cetrorelix Impurity XII

PRODUCT DESCRIPTION

Cetrorelix Impurity XII is a 29-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	BPT2648
Molecular Weight	1502.112 Da
Molecular Formula	C73Cl1H97N18O15
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

Ac-{D-2-Nal}{D-4-Cpa}{D-3-Pal}SY{D-Cit}{beta-Ala}LRPa-NH2

Three-Letter Code:

Ac-{D-2-Nal}-{D-Phe(4-Cl)}-{D-3-Pal}-Ser-Tyr-{D-Cit}-{Beta-Ala}-Leu-Arg-Pro-{D-Ala}-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
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