

Abarelix Acetate

PRODUCT DESCRIPTION

Abarelix Acetate -- 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	BPT2755
CAS Number	183552-38-7
Molecular Weight	1416.1 Da
Molecular Formula	C72H95CIN14O14
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-2NaI]-[D-4ClPhe]-[D-3Pal]-S-[N-MeTyr]-[D-Asn]-L-[Lys(iPr)]-P-[D-A]-NH2

Three-Letter Code:

Ac-D-2NaI-D-4ClPhe-D-3Pal-Ser-NMeTyr-D-Asn-Leu-Lys(iPr)-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