

Catalogue Number	Product	Order number / Unit
------------------	---------	---------------------

9921 PSMA-11 (GMP)

Precursor for $[^{68}\text{Ga}]\text{GaPSMA-11}$

PSMA: prostate-specific membrane antigen

Manufactured according to GMP requirements for APIs for use in clinical trials (ICH Q7 chapter 19)

Molar Mass: 947.0 (net peptide)

$\text{C}_{44}\text{H}_{62}\text{N}_6\text{O}_{17} \cdot x \text{CF}_3\text{CO}_2\text{H}$

[1366302-52-4]

Colourless to off-white solid packaged in plastic vials

Purity: $\geq 96\%$

Certificates:

CoA with ESI-MS and NMR (identity); HPLC (purity) ; GC (residual solvents); heavy metals content (ICP-MS); microbiology test

Chemical Name:

CA index name: 4,6,12,19-Tetraazadocosane-1,3,7-tricarboxylic acid, 22-[3-[[[2-[[[5-(2-carboxyethyl)-2-hydroxyphenyl]methyl](carboxymethyl)amino]ethyl](carboxymethyl)amino]methyl]-4-hydroxyphenyl]-5,13,20-trioxo-, (3S,7S)-, supplied as trifluoroacetate salt

Synonyms:

PSMA^{HBED}; Glu-CO-Lys(Ahx)-HBED-CC; Glu-NH-CO-NH-Lys(Ahx)-HBED-CC; 2-[3-(1-Carboxy-5-{6-[3-(3-[[2-[[5-(2-carboxy-ethyl)-2-hydroxy-benzyl]-carboxymethyl-amino]-ethyl)-carboxymethyl-amino]-methyl]-4-hydroxy-phenyl)-propionylamino]-hexanoylamino}-

Literature:

Eder M. et al. Novel Preclinical and Radiopharmaceutical Aspects of $[^{68}\text{Ga}]\text{Ga-PSMA-HBED-CC}$: A New PET Tracer for Imaging of Prostate Cancer. *Pharmaceuticals*. 2014, 7, 779-796.

Eder M. et al. ^{68}Ga -Complex Lipophilicity and the Targeting Property of a Urea-Based PSMA Inhibitor for PET Imaging. *Bioconjugate Chem*. 2012, 23, 688-697.

Please inquire for customized filling and bulk quantities.

