

Catalogue Number	Product	Order number / Unit
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9714 AMBA acetate

9714.0001: 1 mg per vial
9714.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.

Molar Mass: 1502.70

C₆₈H₉₉N₁₉O₁₈S

[721937-56-0] (net peptide)

Colourless to off-white freeze-dried solid packaged in screw cap vials.

Purity: ≥ 97 %

Certificates:

CoA; MS (identity); HPLC (purity)

Chemical Name:

Sequence: DOTA-Gly-4-Abz-Gln-Trp-Ala-Val-Gly-His-Leu-Met-NH₂

DOTA = N-[[4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]-

4-Abz = 4-aminobenzoyl

Supplied as acetate salt

Synonymes:

CA index name: L-Methioninamide, N-[2-[4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]glycyl-4-aminobenzoyl-L-glutamyl-L-tryptophyl -L-alanyl-L-valylglycyl-L-histidyl-L-leucyl-

Literature:

Chen J. et al. Synthesis, stabilization and formulation of [¹⁷⁷Lu]Lu-AMBA, a systemic radiotherapeutic agent for Gastrin Releasing Peptide receptor positive tumors. *Appl Radiat Isot.* 2008, 66, 497-505.

Waser B. et al. Selective in vitro targeting of GRP and NMB receptors in human tumours with the new bombesin tracer ¹⁷⁷Lu-AMBA. *Eur. J. Nucl. Med. Mol. Imaging.* 2007, 34, 95-100.

Lantry L.E. et al. ¹⁷⁷Lu-AMBA: Synthesis and characterization of a selective ¹⁷⁷Lu-labeled GRP-R agonist for systemic radiotherapy of prostate cancer. *J. Nucl. Med.* 2006, 47, 1144-52.

Nunn A.D. et al. Preclinical evaluation of ¹⁷⁷Lu-AMBA, a radiolabelled peptide for systemic radiotherapy and imaging of prostate cancer by targeting gastrin releasing peptide receptors. *Eur. J. Cancer Suppl.* 2004, 2, 89.

