

Catalogue Number	Product	Order number / Unit
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9702 DOTATOC (GMP)**Precursor for radiolabelled DOTA-TOC
Ligand for somatostatin receptors**

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

Molar Mass: 1421.7 (net peptide)

$C_{65}H_{92}N_{14}O_{18}S_2$

[204318-14-9]

White to off-white solid packaged in plastic vials

Purity: $\geq 98\%$

Certificates:

CoA with HPLC (identity, purity, assay); GC (residual Solvents, water content, counter-ion); microbiology test

Chemical Name:

Sequence: DOTA-D-Phe-Cys-Tyr-D-Trp-Lys-Thr-Cys-Thr(ol), cyclic disulfide

Synonymes:

DOTA-TOC acetate; DOTA-[Tyr³]-octreotide; Edotreotide; CA index name: L-Cysteinamide, N-[[4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]-D-phenylalanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-threonyl-N-[(1R,2R)-2-hydroxy-1-(hydroxymethyl)propyl]-, cyclic(2→7)-disulfide, supplied as acetate salt

Literature:

Forrer F. et al. Targeted radionuclide therapy with ⁹⁰Y-DOTATOC in patients with neuroendocrine tumors. *Anticancer Res.* 2006, 26, 703-707.

Koukouraki S. et al. Evaluation of the pharmacokinetics of (⁶⁸Ga)DOTATOC in patients with metastatic neuroendocrine tumours scheduled for (⁹⁰Y)DOTATOC therapy. *Eur. J. Nucl. Med. Mol. Imaging* 2006, 33, 460-466.

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