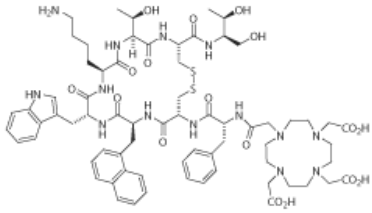
Catalogue Number	Product	Order number / Unit

9712 DOTA-NOC acetate

9712.0001: 1 mg per vial
9712.0010: 10 mg per vial
Please inquire for customized filling and bulk quantities.

Precursor for radiolabelled DOTA-NOC
Ligand for somatostatin receptors



Molar Mass: 1455.7

$C_{69}H_{94}N_{14}O_{17}S_2$

[619300-53-7] (net peptide)

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

Purity: ≥ 95 %

Certificates:
CoA; MS (identity); HPLC (purity)

Chemical Name:
Sequence: DOTA-D-Phe-Cys-Nal-D-Trp-Lys-Thr-Cys-Thr(ol), cyclic disulfide $Cys^{2,7}$
DOTA = N-[[4,7,10-tris(carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]-
Nal = 3-(1-naphthalenyl)-L-alanyl
Supplied as acetate salt

Synonymes:
DOTA-[Nal^3]-octreotide; CA index name: L-Cysteinamide, N-[[4,7,10-tris (carboxymethyl)-1,4,7,10-tetraazacyclododec-1-yl]acetyl]-D-phenylalanyl-L-cysteinyl-3-(1-naphthalenyl)- L-alanyl-D-tryptophyl-L-lysyl-L-threonyl-N-[(1R,2R)-2-hydroxy-1-(hydroxymethyl)propyl]-, cyclic (2→7)-disulfide

Literature:
Wild D. et al. ^{68}Ga-DOTANOC: a first compound for PET imaging with high affinity for somatostatin receptor subtypes 2 and 5. Eur.J. Nucl. Med. Mol. Imaging 2005, 32, 724.

Wild D. et al. DOTA-NOC, a high-affinity ligand of somatostatin receptor subtypes 2, 3 and 5 for labeling with various radiometals. Eur. J. Nucl. Med. Mol. Imaging 2003, 30, 1338-1347.

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