Accepted Manuscript

Title: Mass spectrometry characterization of DOTA-Nimotuzumab conjugate as precursor of an innovative β^- tracer suitable in radio-guided surgery

Authors: Claudia Martelli, Valeria Marzano, Federica Marini, Teresa Scotognella, Ilaria Fratoddi, Iole Venditti, Dante Rotili, Elena Solfaroli Camillocci, Francesco Collamati, Carlo Mancini-Terracciano, Silvio Morganti, Daria Maccora, Riccardo Faccini, Antonella Cartoni, Alessandro Giordano, Massimo Castagnola

PII: S0731-7085(17)33042-X
DOI: https://doi.org/10.1016/j.jpba.2018.03.018
Reference: PBA 11849

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 13-12-2017
Revised date: 7-3-2018
Accepted date: 10-3-2018

Please cite this article as: Claudia Martelli, Valeria Marzano, Federica Marini, Teresa Scotognella, Ilaria Fratoddi, Iole Venditti, Dante Rotili, Elena Solfaroli Camillocci, Francesco Collamati, Carlo Mancini-Terracciano, Silvio Morganti, Daria Maccora, Riccardo Faccini, Antonella Cartoni, Alessandro Giordano, Massimo Castagnola, Mass spectrometry characterization of DOTA-Nimotuzumab conjugate as precursor of an innovative $\beta-$ tracer suitable in radio-guided surgery, Journal of Pharmaceutical and Biomedical Analysis https://doi.org/10.1016/j.jpba.2018.03.018

Mass spectrometry characterization of DOTA-Nimotuzumab conjugate as precursor of an innovative β⁻ tracer suitable in radio-guided surgery

Claudia Martelli[a‡], Valeria Marzano[a†‡], Federica Marini[a], Teresa Scotognella[b], Ilaria Fratoddi[c], Iole Venditti[c&], Dante Rotili[d], Elena Solfaroli Camillocci[e], Francesco Collamati[f], Carlo Mancini-Terracciano[f], Silvio Morganti[f], Daria Maccora[b], Riccardo Faccini[ef$], Antonella Cartoni[c$*], Alessandro Giordano[b$], Massimo Castagnola[ag$]

[a]Institute of Biochemistry and Clinical Biochemistry, Catholic University, Largo F. Vito 1, 00168 Rome, Italy

[b]Institute of Nuclear Medicine, Catholic University, Largo A. Gemelli 8, 00168 Rome, Italy

[c]Department of Chemistry, Sapienza University, P.le Aldo Moro 1, 00185 Rome, Italy

[d]Department of Chemistry and Technology of Drugs, Sapienza University, P.le Aldo Moro 1, 00185 Rome, Italy

[e]Department of Physics, Sapienza University, P.le Aldo Moro 1, 00185 Rome, Italy

[f] INFN, P.le Aldo Moro 1, 00185 Rome, Italy

[g]Institute of Chemistry of Molecular Recognition, CNR, Largo F. Vito 1, 00168 Rome, Italy

Author information

*** Corresponding Author**

E-mail address: antonella.cartoni@uniroma.it;
P.le Aldo Moro 5, 00185 Rome, Italy, tel. + 39 06 49913678

Present Address

[†] Human Microbiome Unit, Bambino Gesù Children's Hospital IRCCS, viale di San Paolo 15, 0146 Rome, Italy

[&] Department of Sciences, Roma Tre University, via della Vasca Natale 79, 00100, Rome, Italy

Graphical abstract