

SUPPORTING INFORMATION FOR:

**Synthesis of a novel bifunctional chelator AmBaSar based on Sarcophagine
for peptide conjugation and ^{64}Cu radiolabeling**

Hancheng Cai, John Fissekis, Peter S Conti*

Molecular Imaging Center, Department of Radiology, Keck School of Medicine,
University of Southern California, Los Angeles, CA 90033

Corresponding Author

Peter S Conti, M.D, Ph.D

USC Department of Radiology

1510 San Pablo St., Suite 350,

Los Angeles, CA 90033.

Tel: 323-442-5940

Fax: 323-442-5778

E-mail: pconti@usc.edu

[Type text]

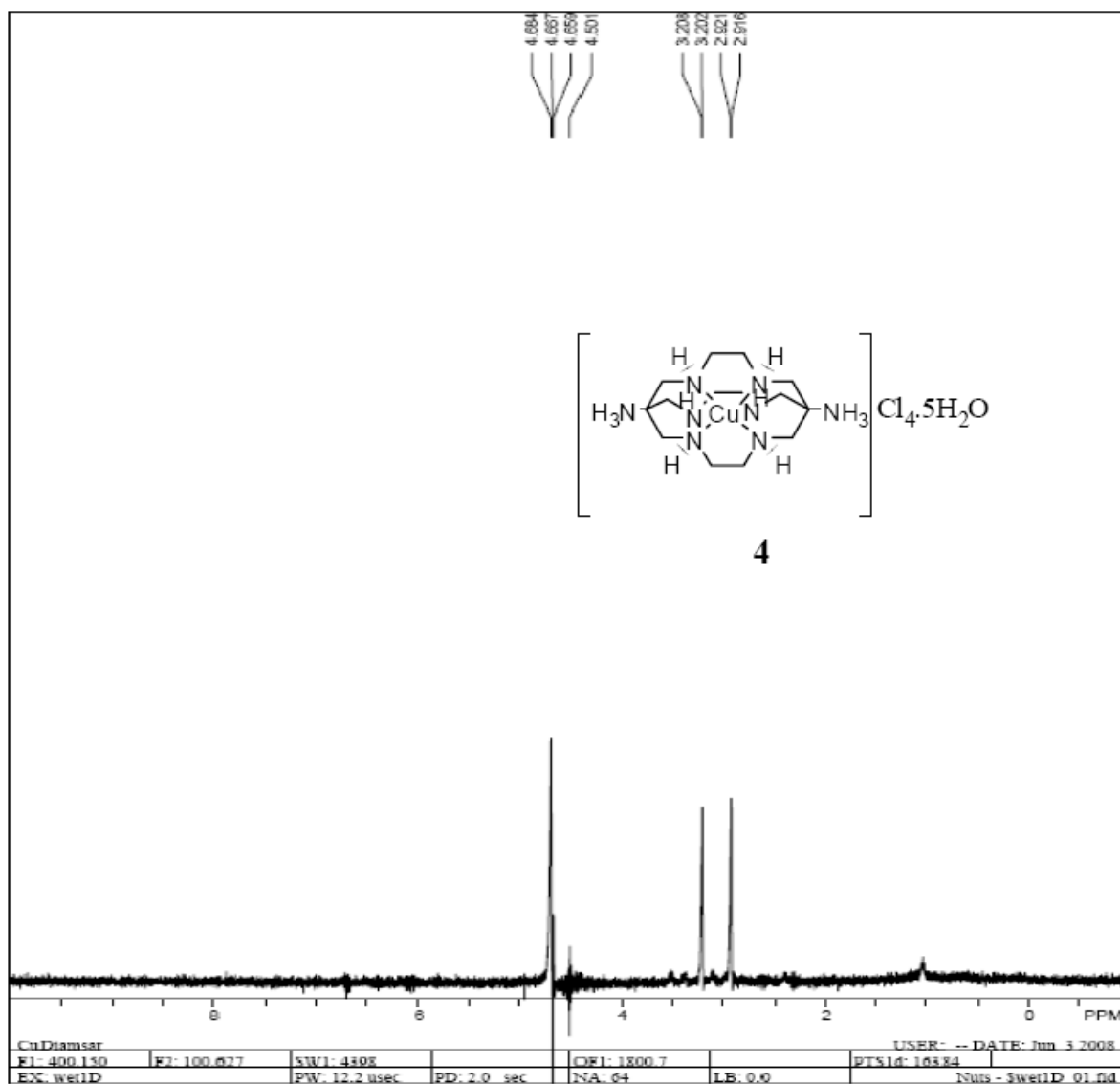


Fig S1. ¹H-NMR spectra in D₂O of [Cu(DiAmSar)]Cl₄·5H₂O

[Type text]

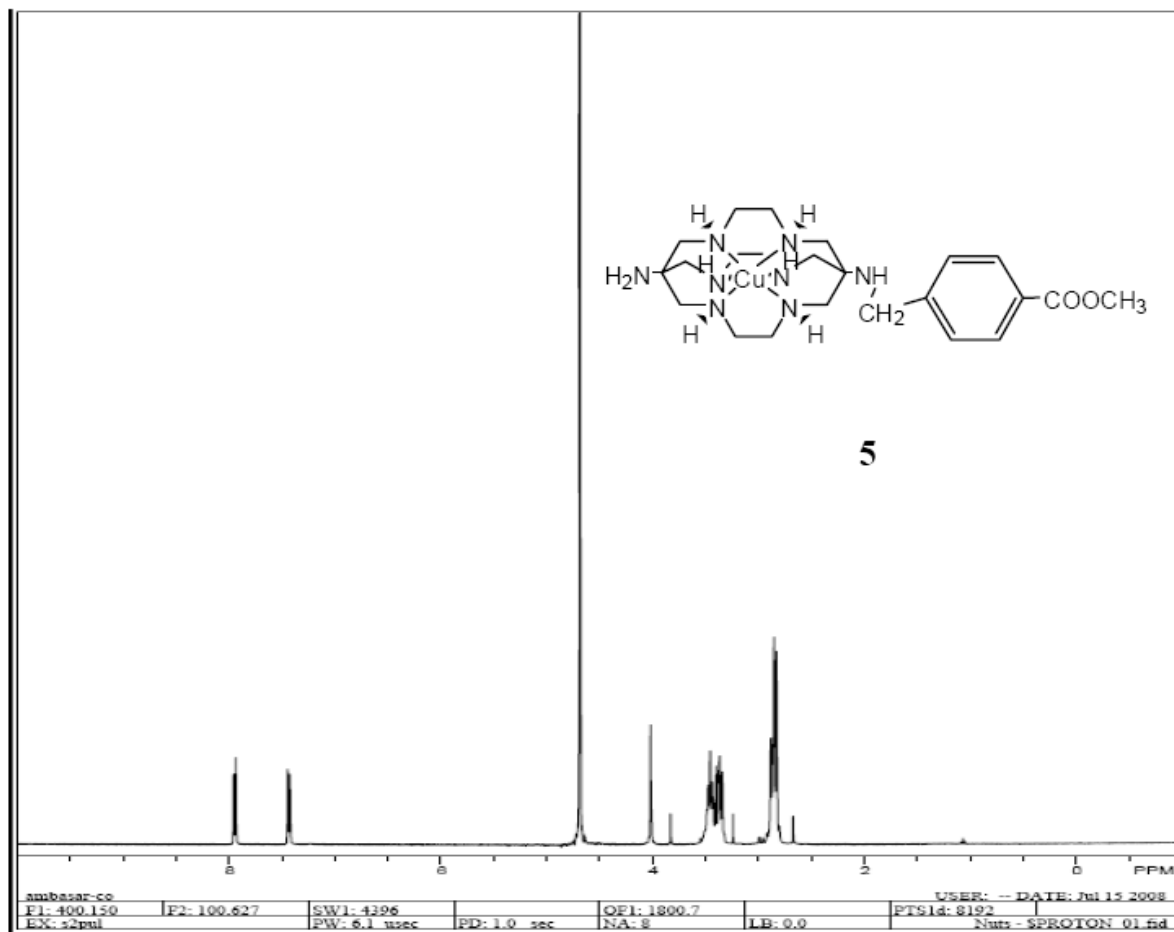


Fig S2. ¹H-NMR spectra in D₂O of [[Cu(AmMBSar)]²⁺

[Type text]

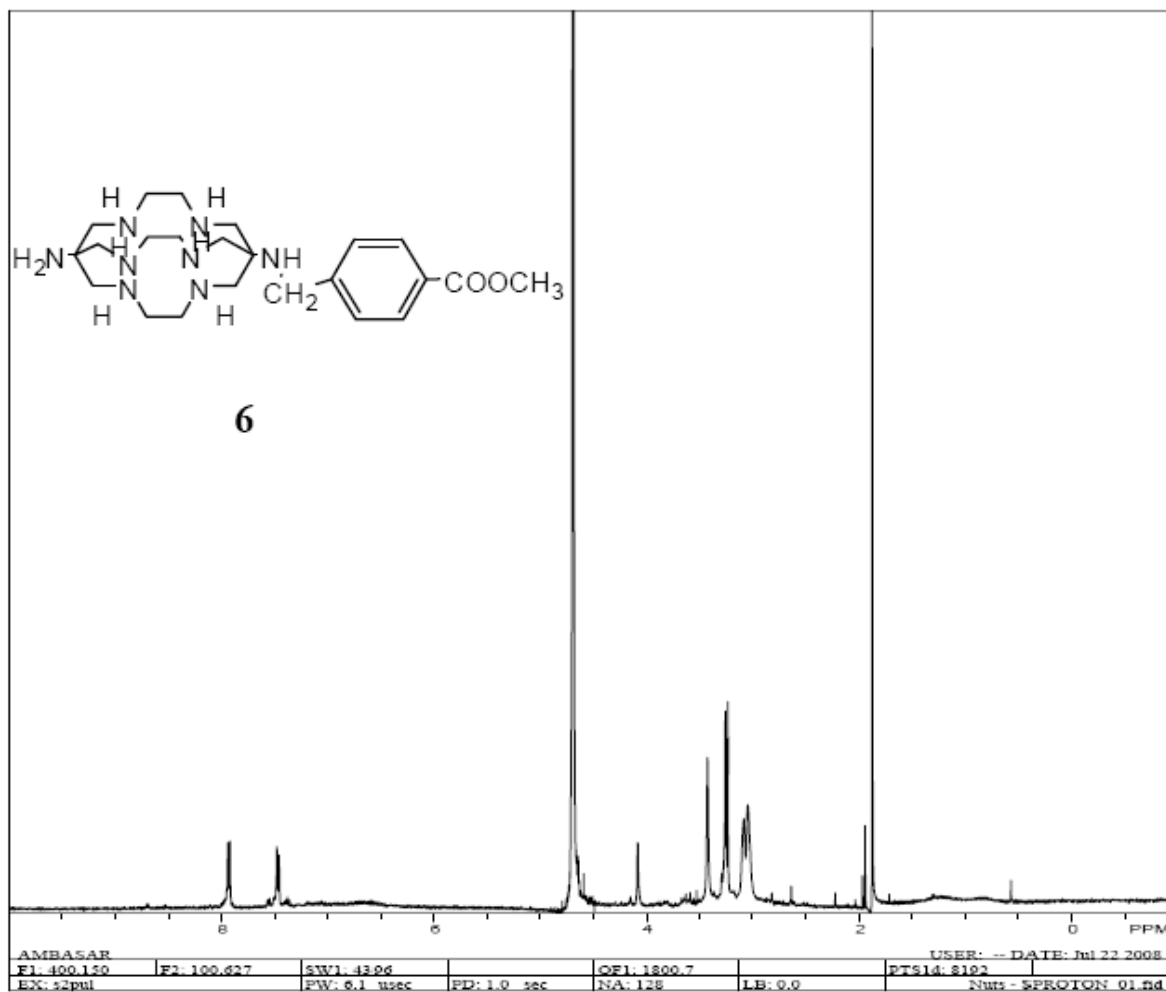


Fig S3. ^1H -NMR spectra in D_2O of AmBMSar

[Type text]

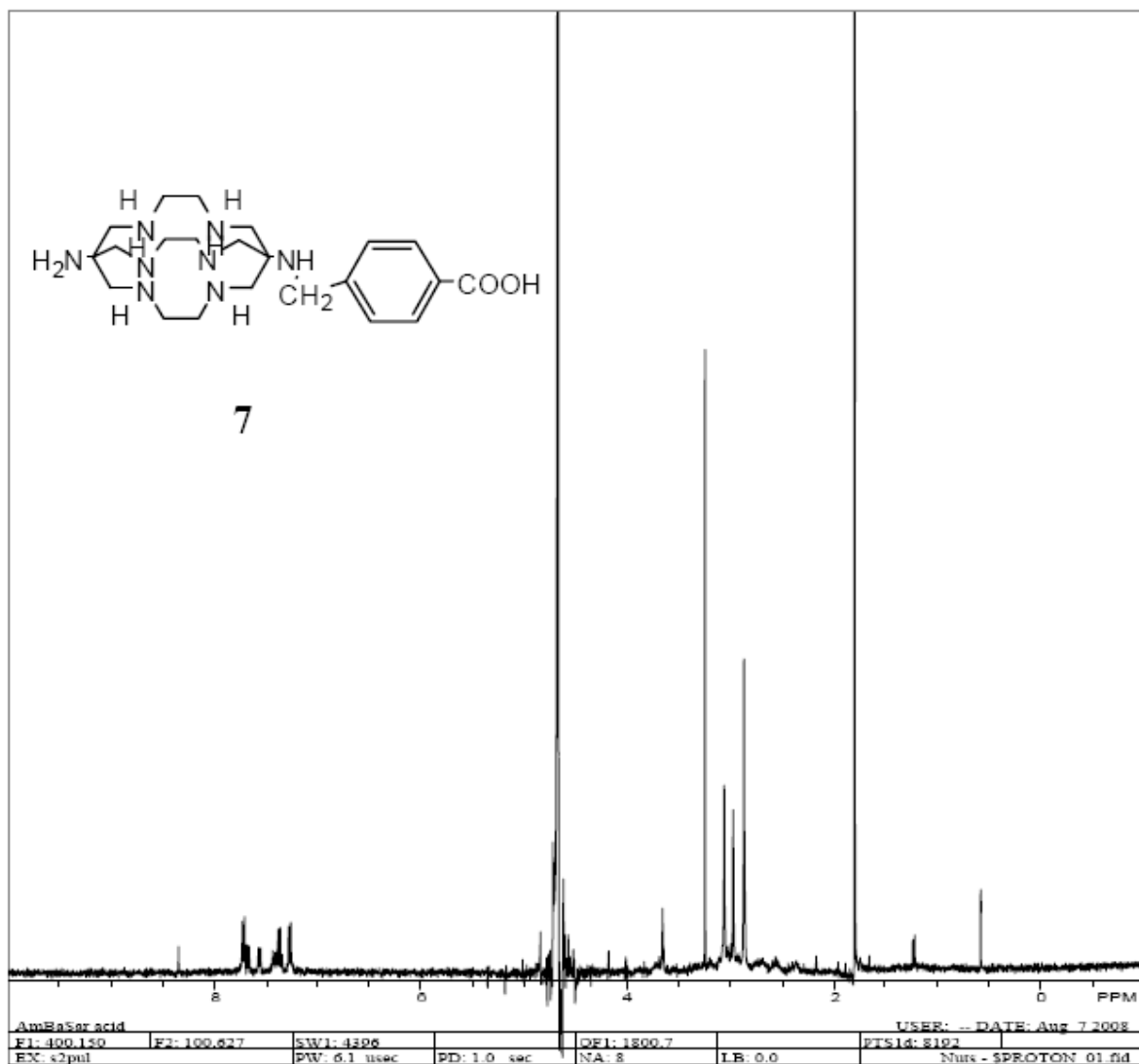


Fig S4. ¹H-NMR spectra in D₂O of AmBaSar

[Type text]

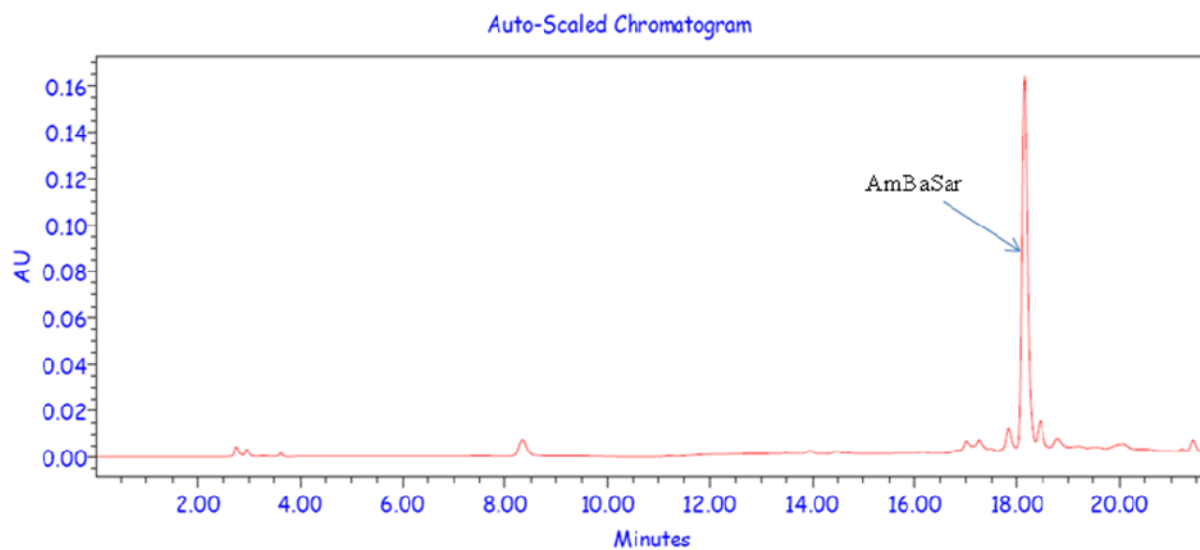


Fig S5. The HPLC chromatogram of AmBaSar using analytical HPLC system previously described

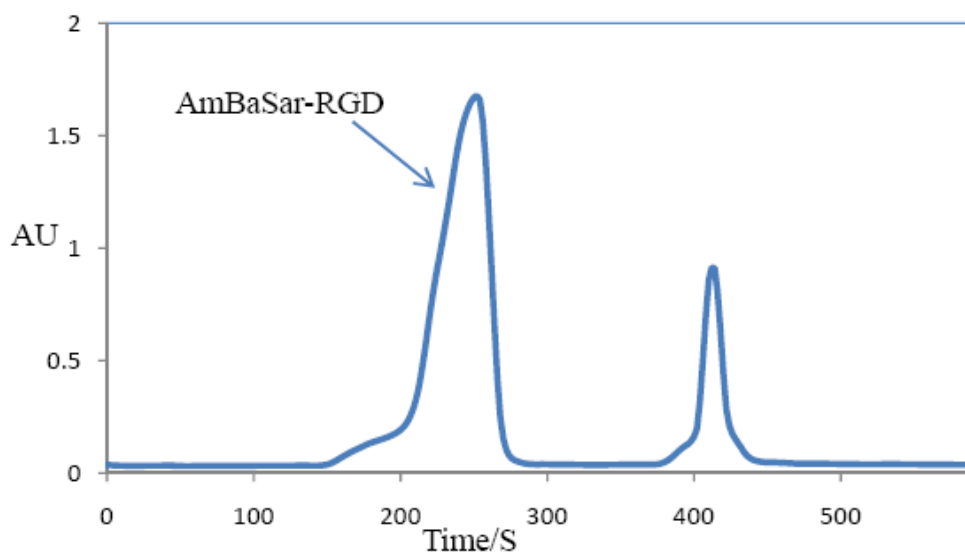


Fig S6. The representative chromatogram of crude AmBaSar-RGD using semipreparative HPLC system previously described

[Type text]

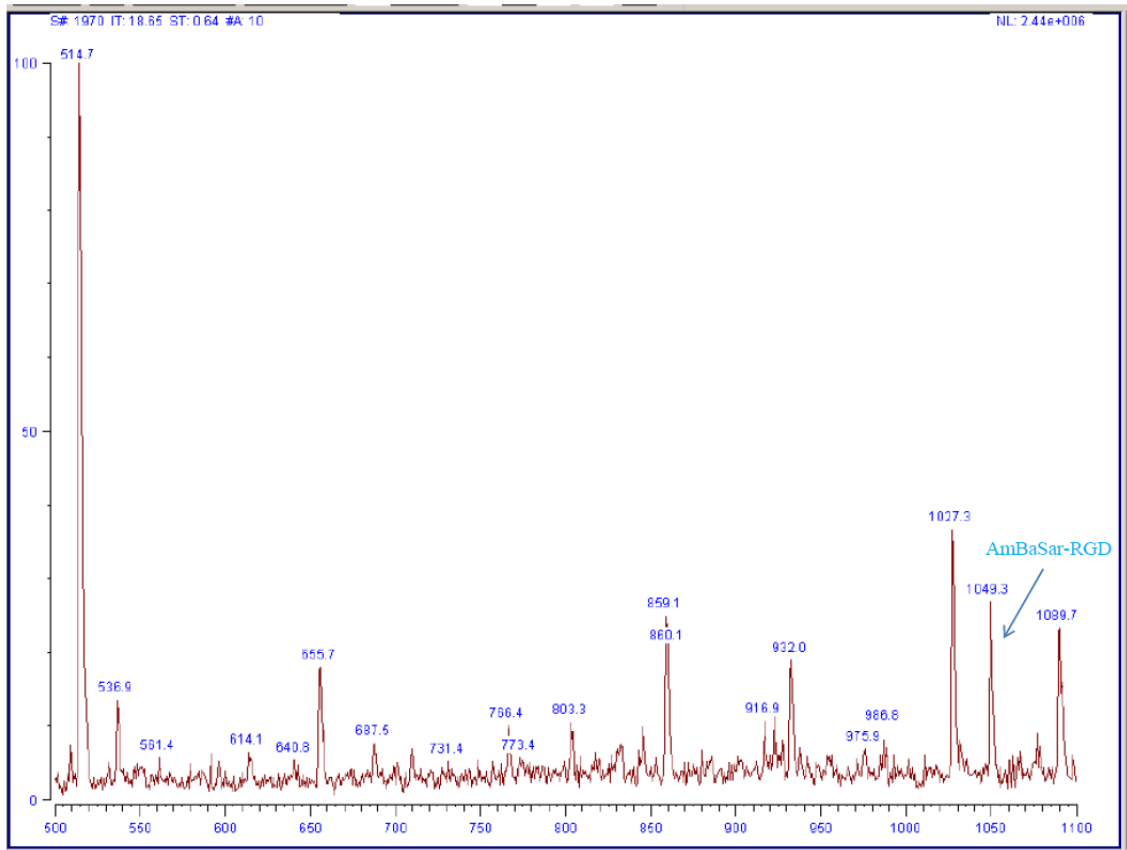


Fig S7. Mass spectra of AmBaSar-RGD

[Type text]

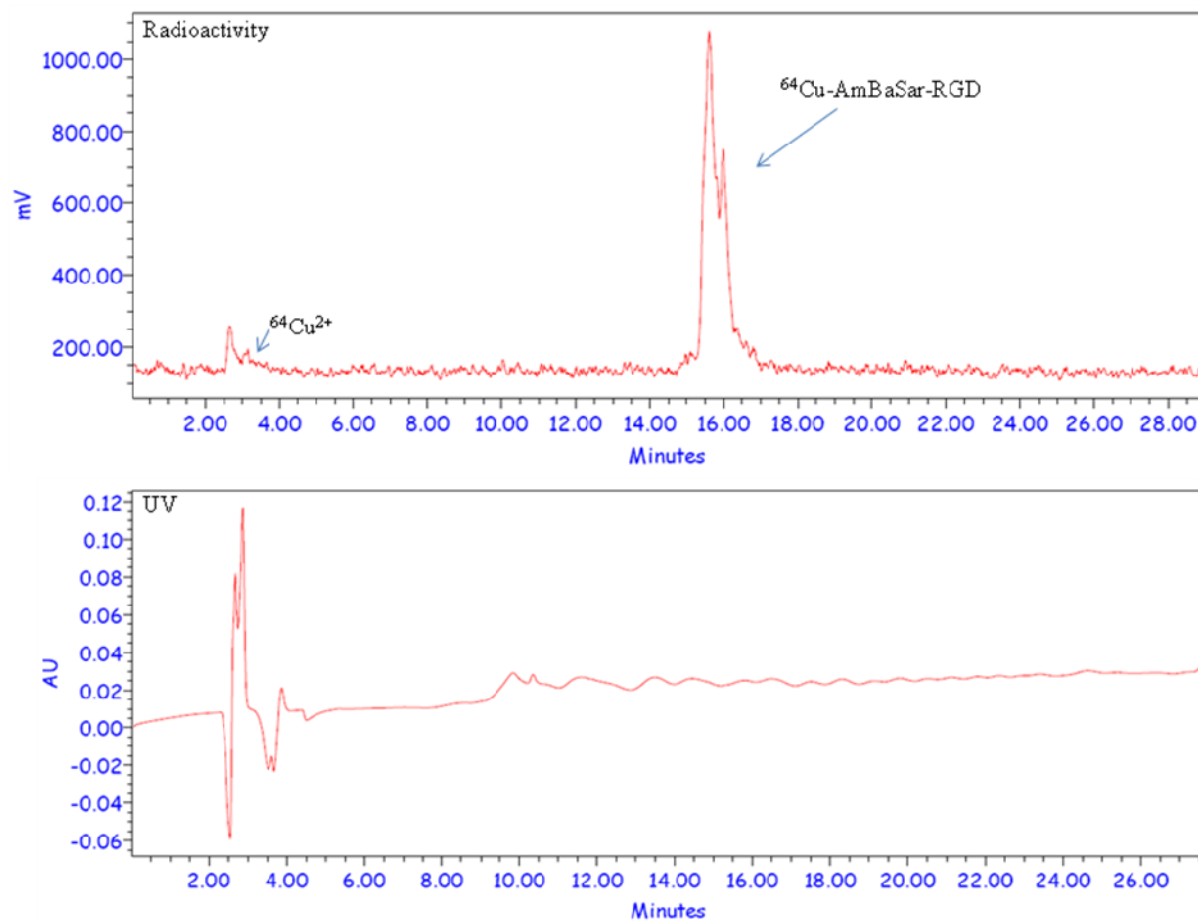


Fig S8. The representative radio-HPLC chromatogram of crude $^{64}\text{Cu-AmBaSar-RGD}$ using analytical HPLC system previously described