Supplementary Figures

Evaluation of Methionine and Tryptophan derivatised vehicles: Met-ac-TE3A/Trp-ac-TE3A for tumor imaging

Sweta Singh[a, b], Anjani K. Tiwari [a], Raunak Varshney [a], Rashi Mathur [a], B. Singh [b] and Anil K. Mishra[*a]

[a]Division of Cyclotron and Radiopharmaceutical Sciences,Institute of Nuclear Medicine and Allied Sciences,Brig. S. K. Mazumdar Road, Delhi-110054, India.

[b]Department of Chemistry, Banaras Hindu University, Varanasi-221005, India

Supplementary Fig. 1 Analytical HPLC chart of **6**.

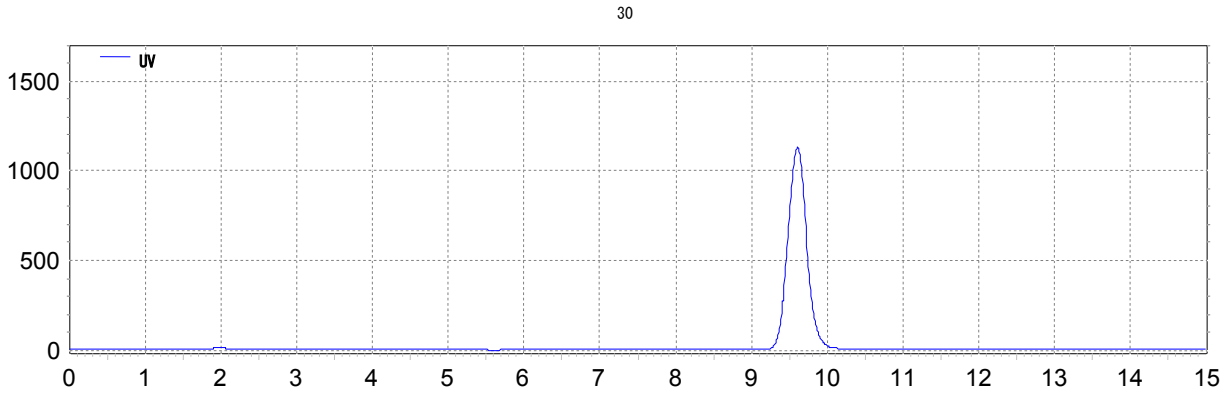
Supplementary Fig. 2 Analytical HPLC chart of **7**.

Supplementary Fig. 3 Species distribution diagram for the Cu^{II} complex of Met-ac-TE3A at $C_M=C_L=1\times10^{-3}$ M.

Supplementary Fig. 4 Species distribution diagram for the Cu^{II} complex of Trp-ac-TE3A at $C_M=C_L=1\times10^{-3}$ M

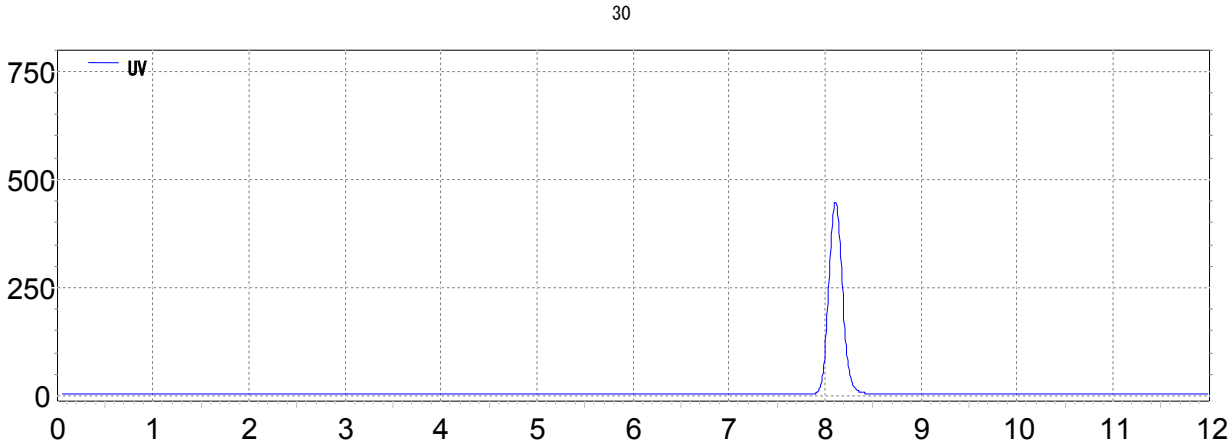
Supplementary Fig. 5 Cytotoxicity of Met-ac-TE3A conjugate in U-87MG and MCF-7 cell lines.

Supplementary Fig. 6 Cytotoxicity of Trp-ac-TE3A conjugate in U-87MG and MCF-7 cell lines.



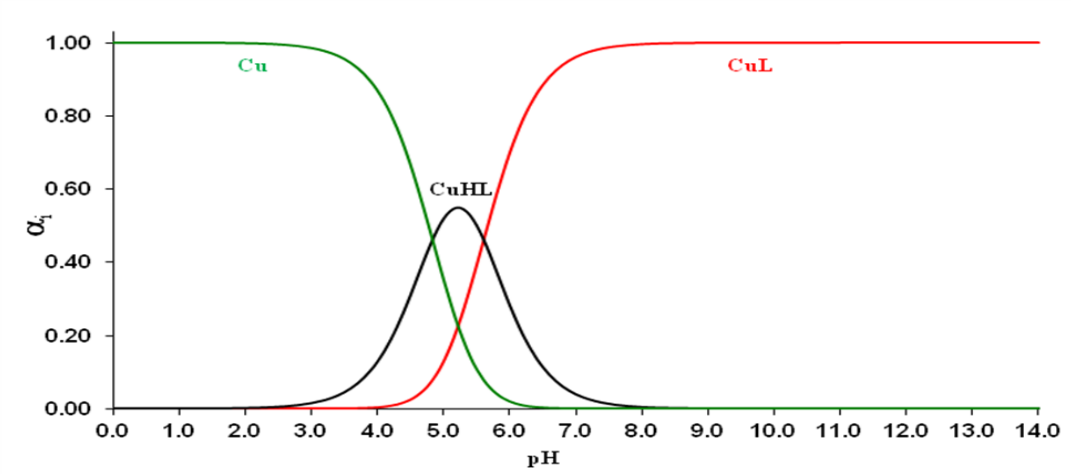
Supplementary Fig. 1 Analytical HPLC chart of **6**.

Chemical purity: > 99% by HPLC (Capcell Pack UG80 C_{18} column (4.6 mm i.d. × 250 mm). MeCN/H_2O/ Et_3N, 75/25/0.01 (v/v/v), flow rate = 1.0 mL/min, λ_{uv}= 254 nm); retention time (t_R) = 9.7 min.

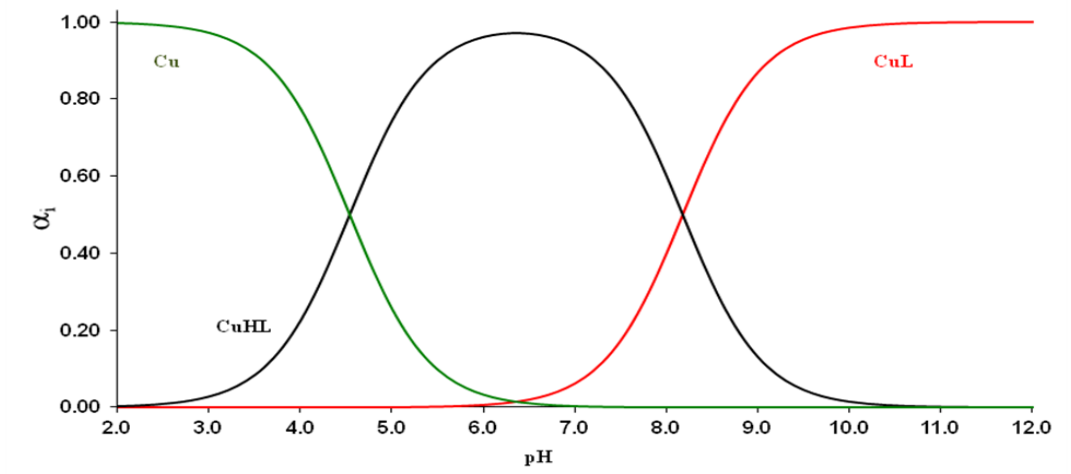


Supplementary Fig. 2 Analytical HPLC chart of **7**.

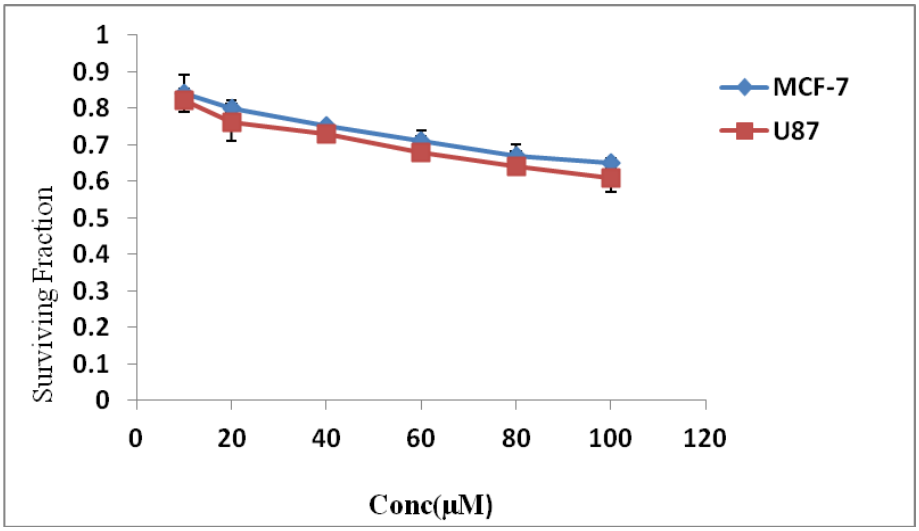
Chemical purity: > 99% by HPLC (Capcell Pack UG80 C_{18} column (4.6 mm i.d. × 250 mm). MeCN/H_2O/ Et_3N, 80/20/0.01 (v/v/v), flow rate = 1.0 mL/min, λ_{uv}= 254 nm); retention time (t_R) = 8.1 min.



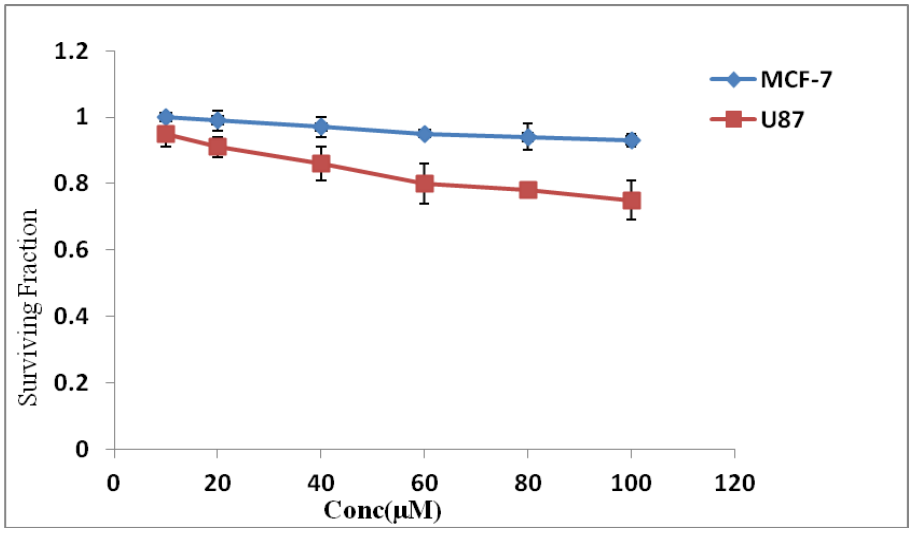
Supplementary Fig. 3 Species distribution diagram for the Cu^{II} complex of Met-ac-TE3A at $C_M=C_L=1\times10^{-3}$ M.



Supplementary Fig. 4 Species distribution diagram for the Cu^{II} complex of Trp-ac-TE3A at $C_M=C_L=1\times10^{-3}$ M.



Supplementary Fig. 5 Cytotoxicity of Met-ac-TE3A conjugate in U-87MG and MCF-7 cell lines.



Supplementary Fig. 6 Cytotoxicity of Trp-ac-TE3A conjugate in U-87MG and MCF-7 cell lines.