P-Stereogenic ligands with the *tert*-butylmethylphosphine fragment. Coordination chemistry and catalysis of their organometallic complexes

Guillem Vázquez Bigas

Chapter 6: Detection of aggregated Aβ with fluorescent probes

2-azidobenzo[d]thiazole / benzo[4,5]thiazolo[3,2-d]tetrazole

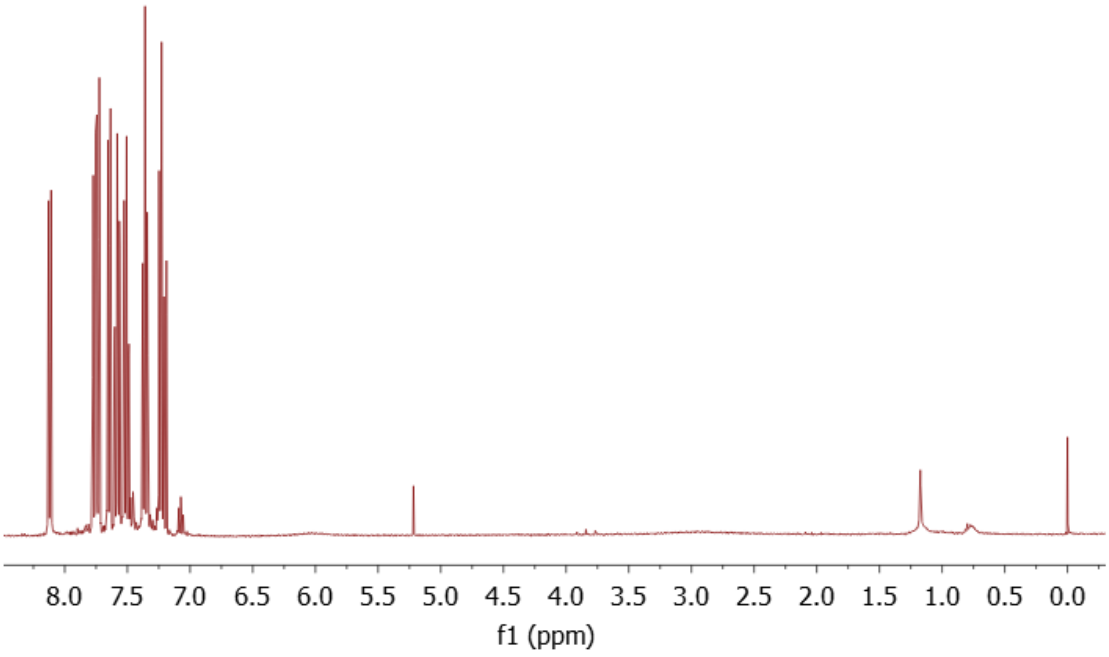

Figure S6.1: ^{1}H NMR spectrum of 2-azidobenzo[*d*]thiazole / benzo[4,5]thiazolo[3,2-*d*]tetrazole in $CDCl_3$.

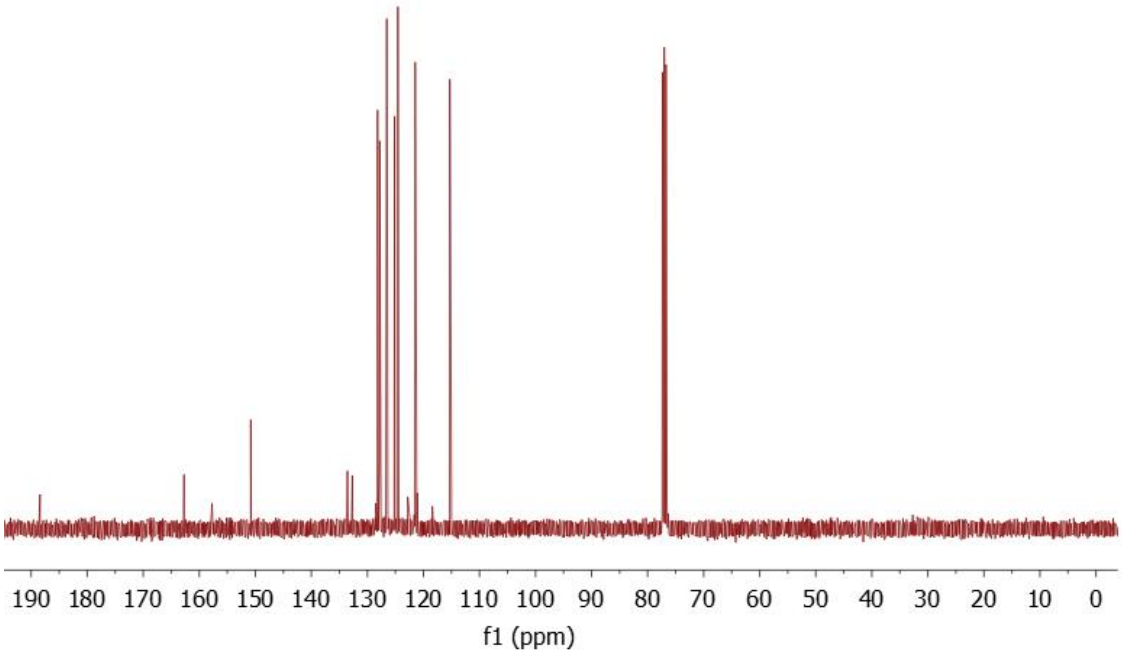

Figure S6.2: ^{13}C NMR spectrum of 2-azidobenzo[*d*]thiazole / benzo[4,5]thiazolo[3,2-*d*]tetrazole in $CDCl_3$.

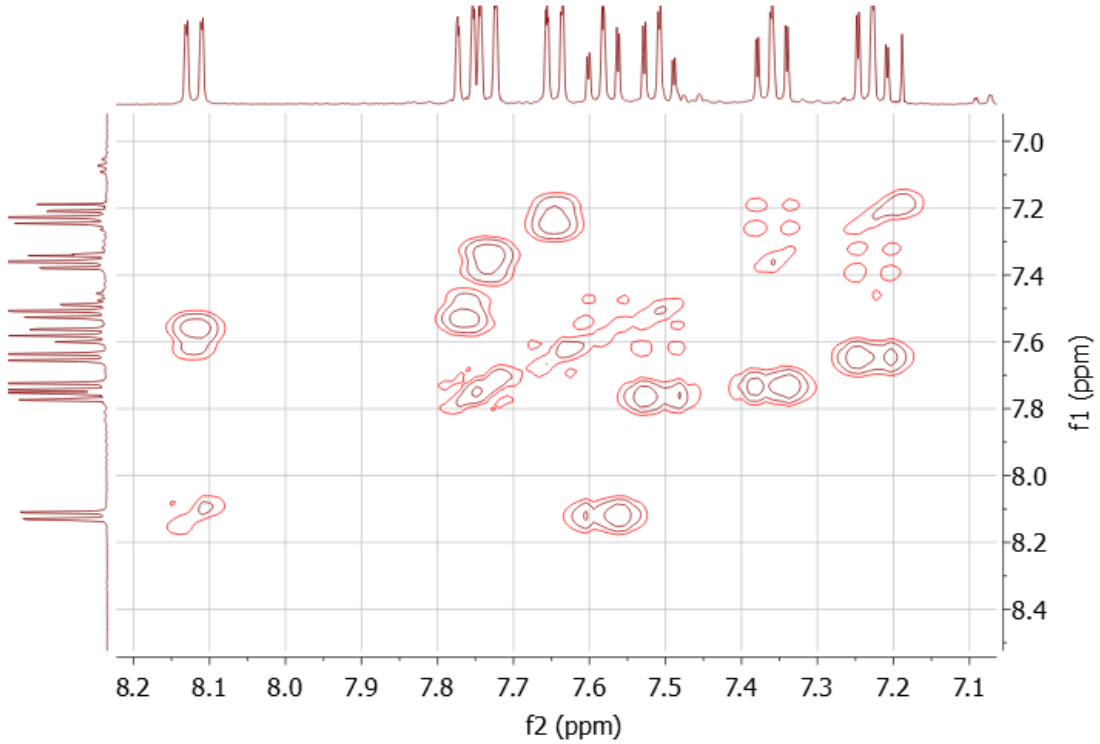

Figure S6.3: COSY NMR spectrum of 2-azidobenzo[*d*]thiazole / benzo[4,5]thiazolo[3,2-*d*]tetrazole in $CDCl_3$.

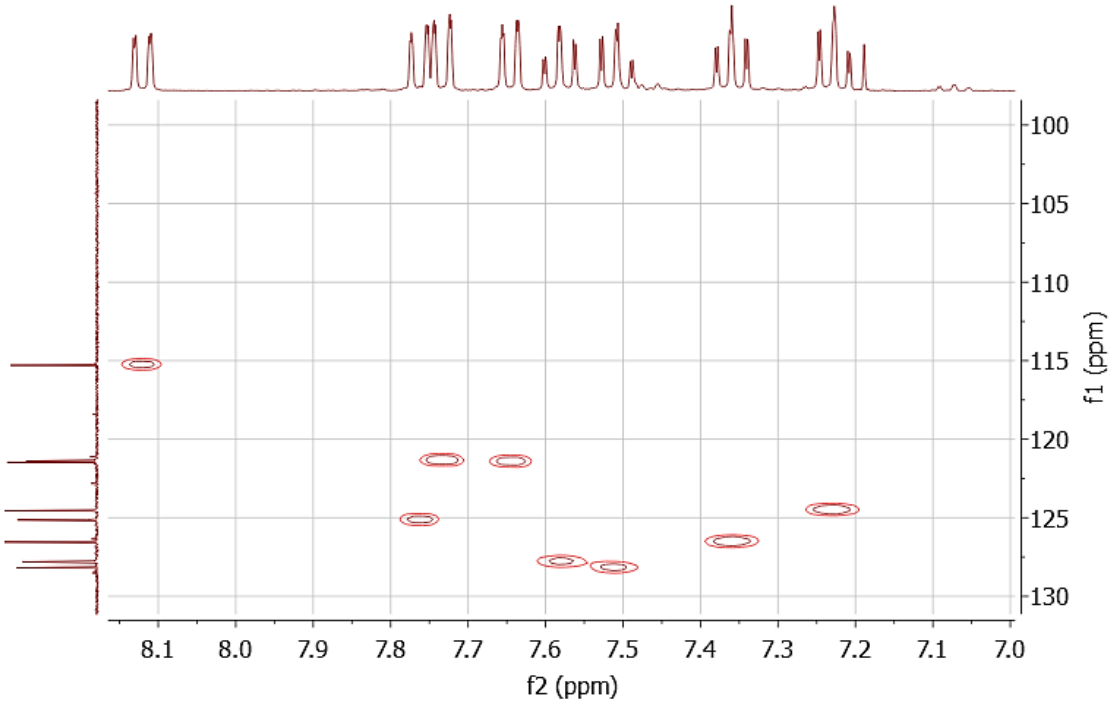

Figure S6.4: HSQC NMR spectrum of 2-azidobenzo[*d*]thiazole / benzo[4,5]thiazolo[3,2-*d*]tetrazole in $CDCl_3$.

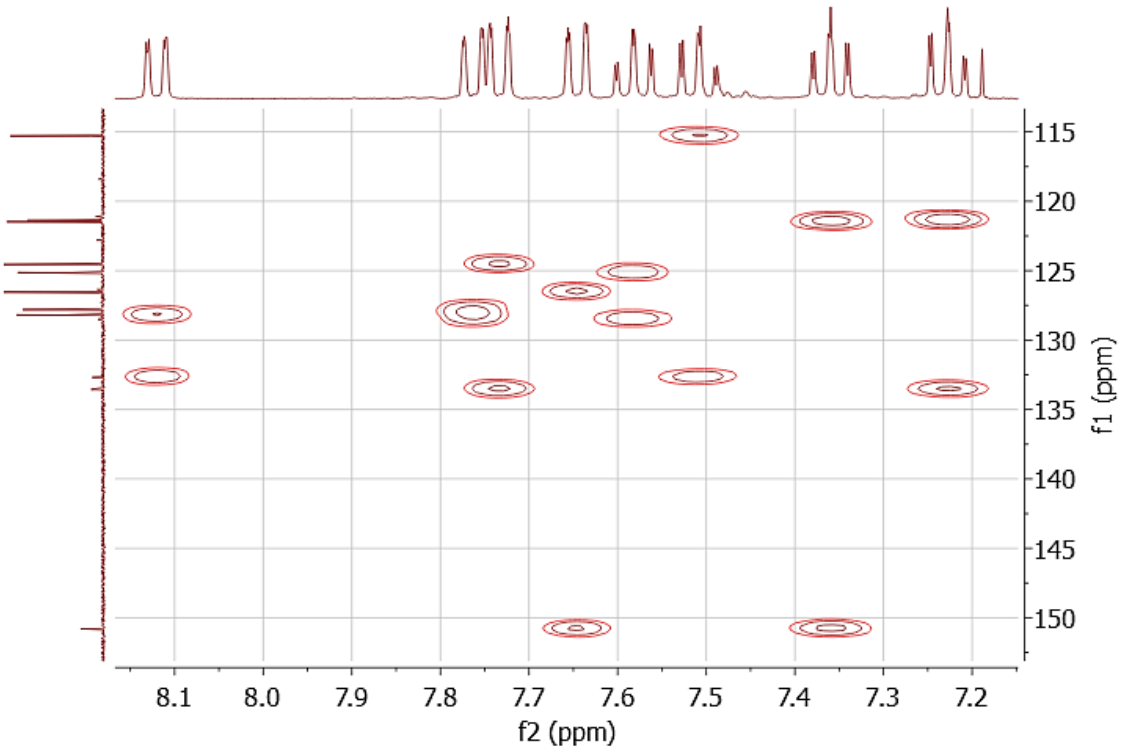

Figure S6.5: HMBC NMR spectrum of 2-azidobenzo[*d*]thiazole / benzo[4,5]thiazolo[3,2-*d*]tetrazole in $CDCl_3$.

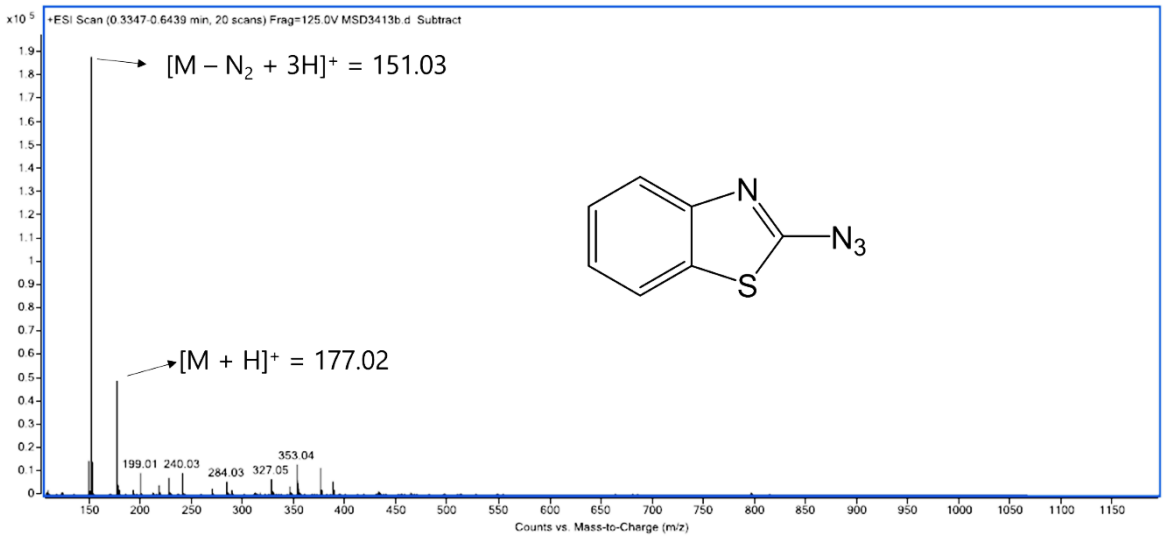

Figure S6.6: ESI mass spectrum of 2-azidobenzo[*d*]thiazole / benzo[4,5]thiazolo[3,2-*d*]tetrazole.

Ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate

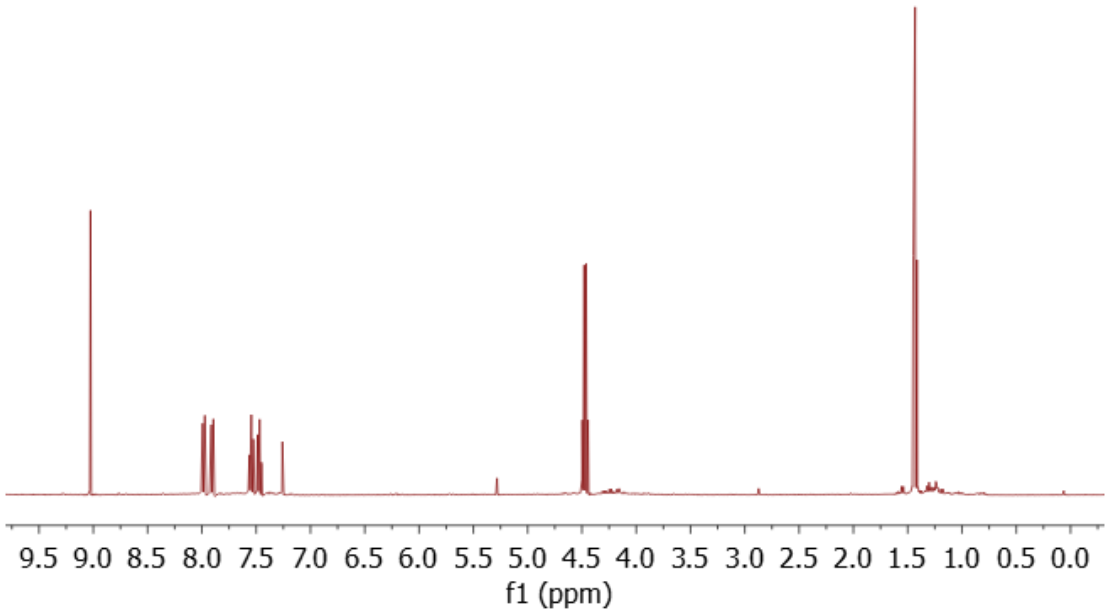

Figure S6.7: ^{1}H NMR spectrum of ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate in $CDCl_3$.

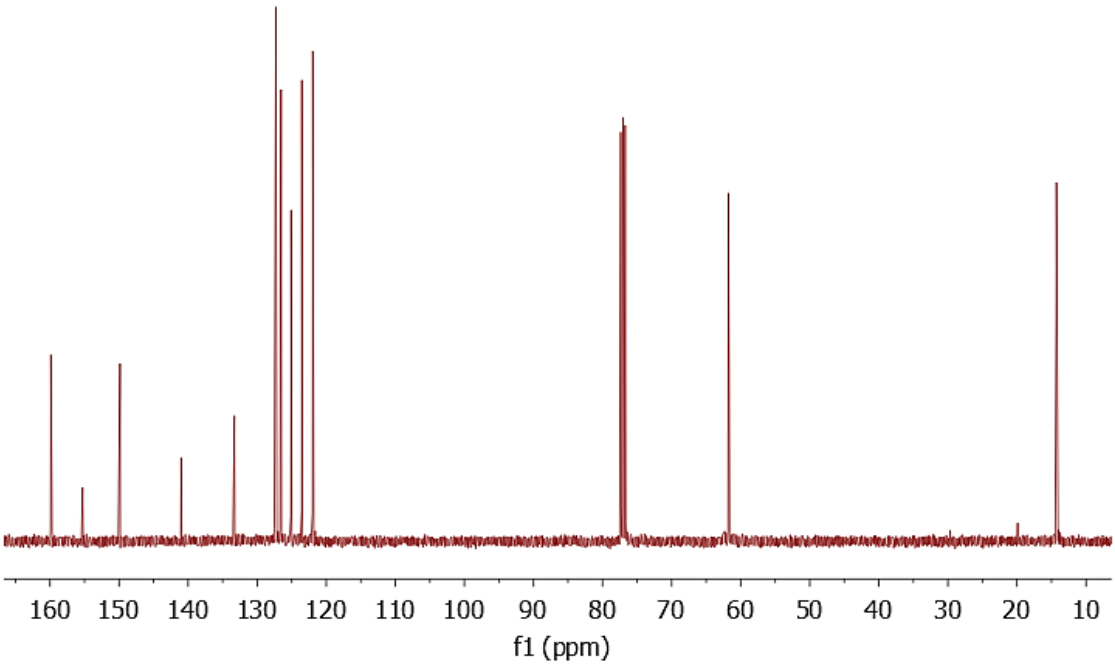

Figure S6.8: ^{13}C NMR spectrum of ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate in $CDCl_3$.

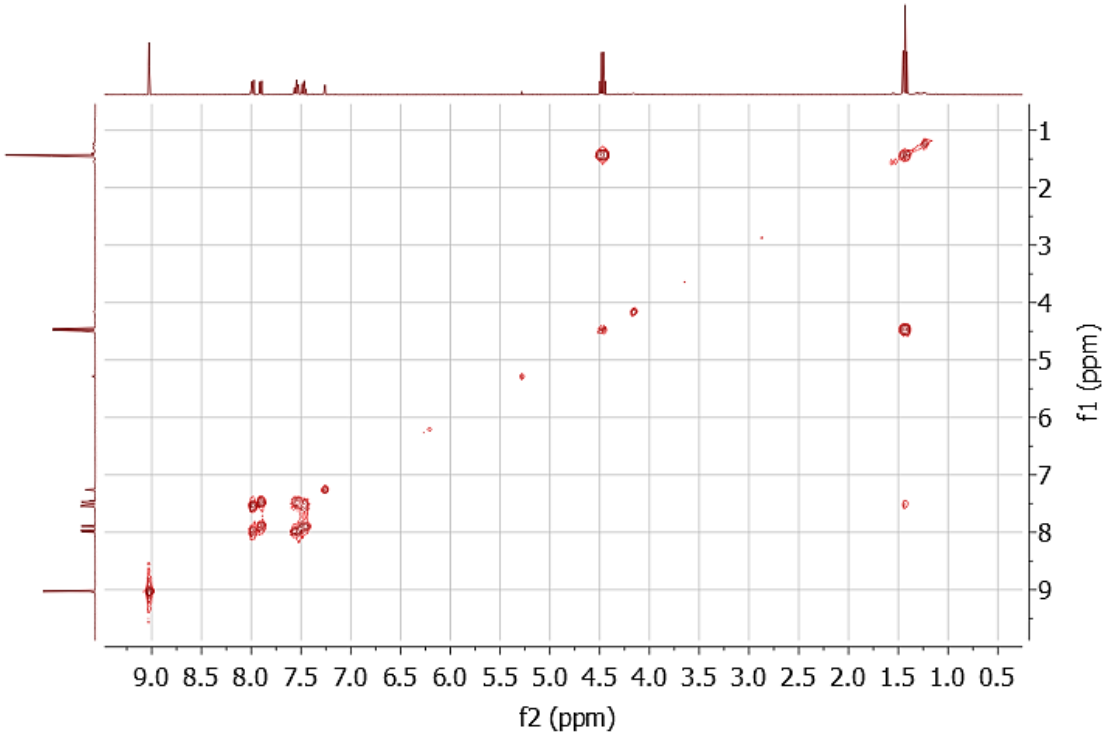

Figure S6.9: COSY NMR spectrum of ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate in $CDCl_3$.

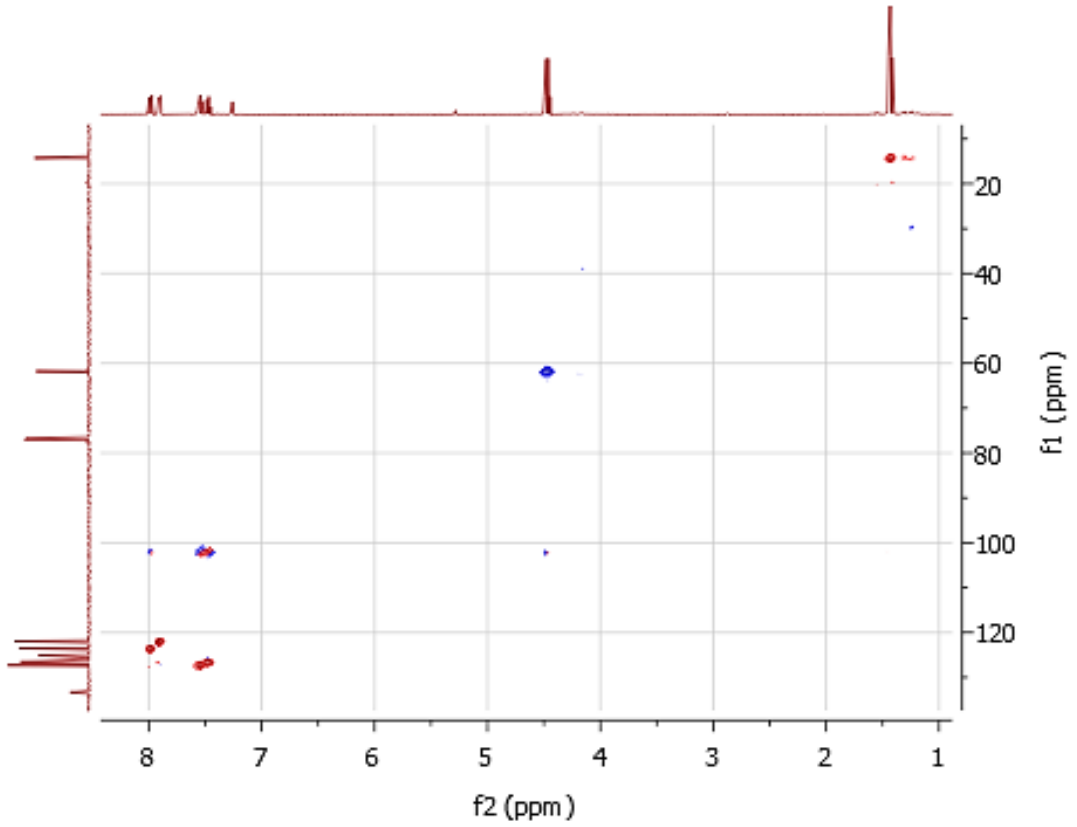

Figure S6.10: HSQC NMR spectrum of ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate in $CDCl_3$.

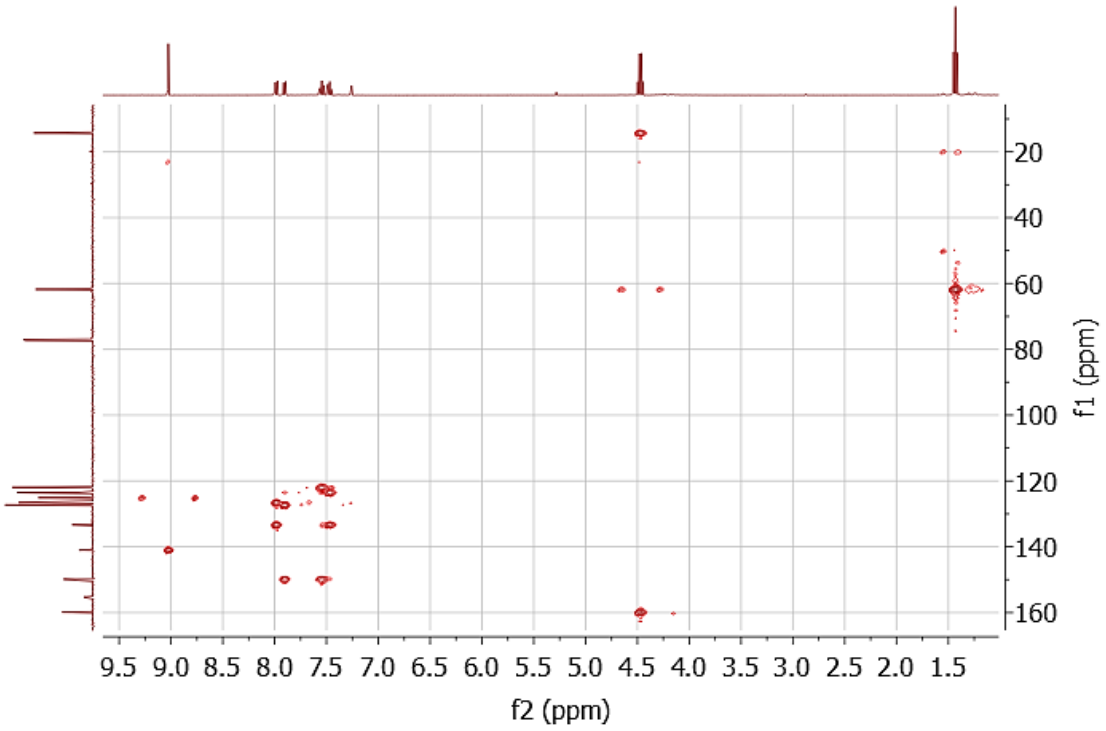

Figure S6.11: HMBC NMR spectrum of ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate in $CDCl_3$.

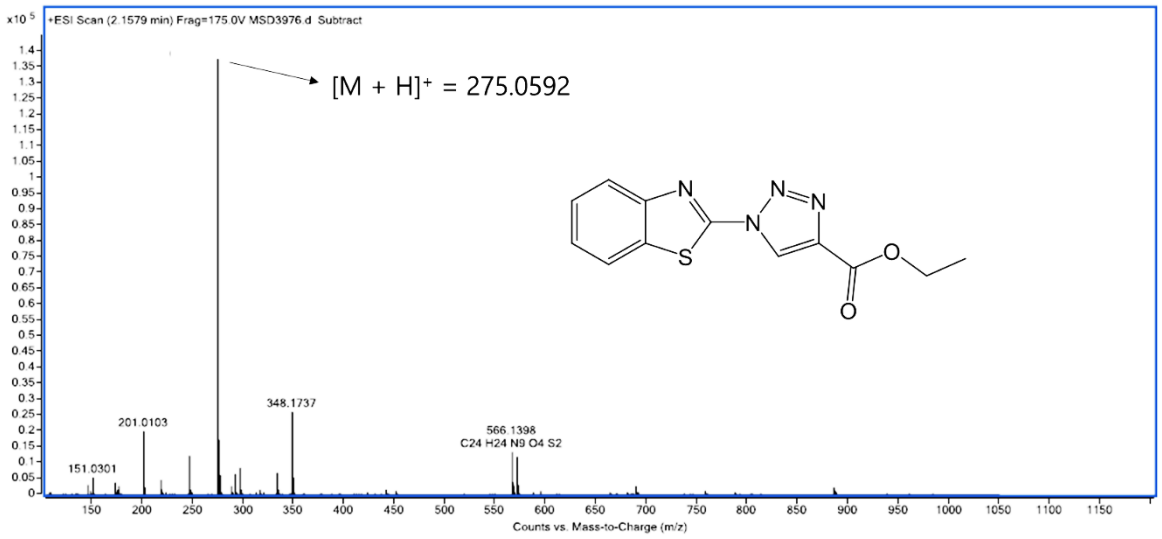

Figure S6.12: ESI mass spectrum of ethyl-1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylate.

1-(benzo[d]thiazol-2-yl)-1H-1,2,3-triazole-4-carboxylic acid (BzTz)

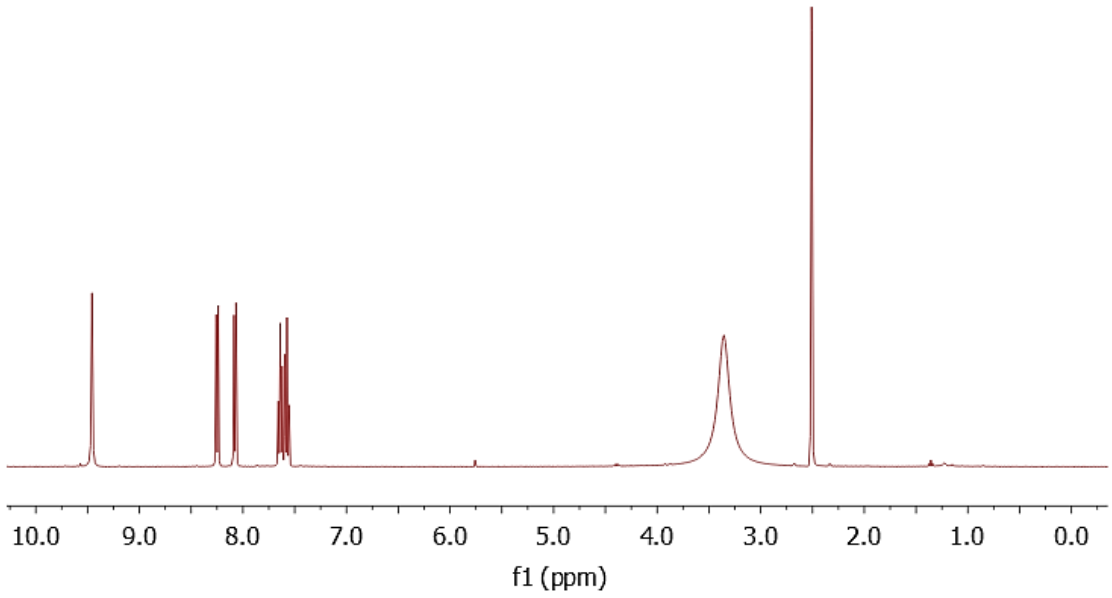

Figure S6.13: ^{1}H NMR spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz) in DMSO-d_6.

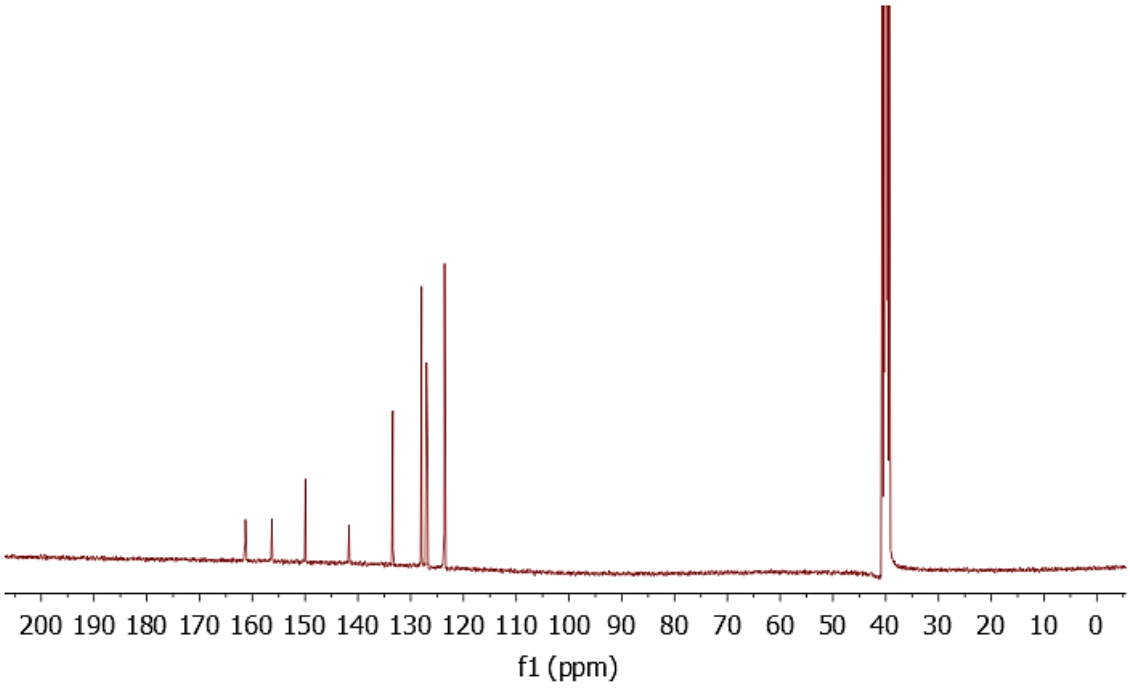

Figure S6.14: ^{13}C NMR spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz) in DMSO-d_6.

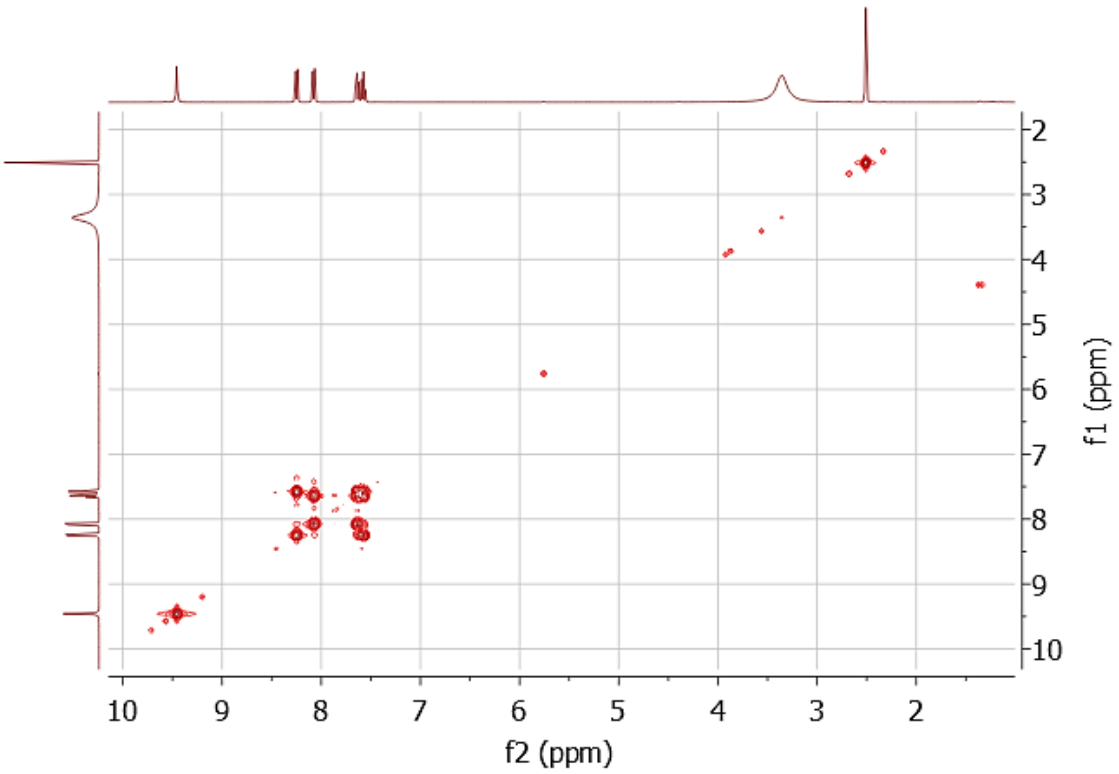

Figure S6.15: COSY NMR spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz) in DMSO-d_6.

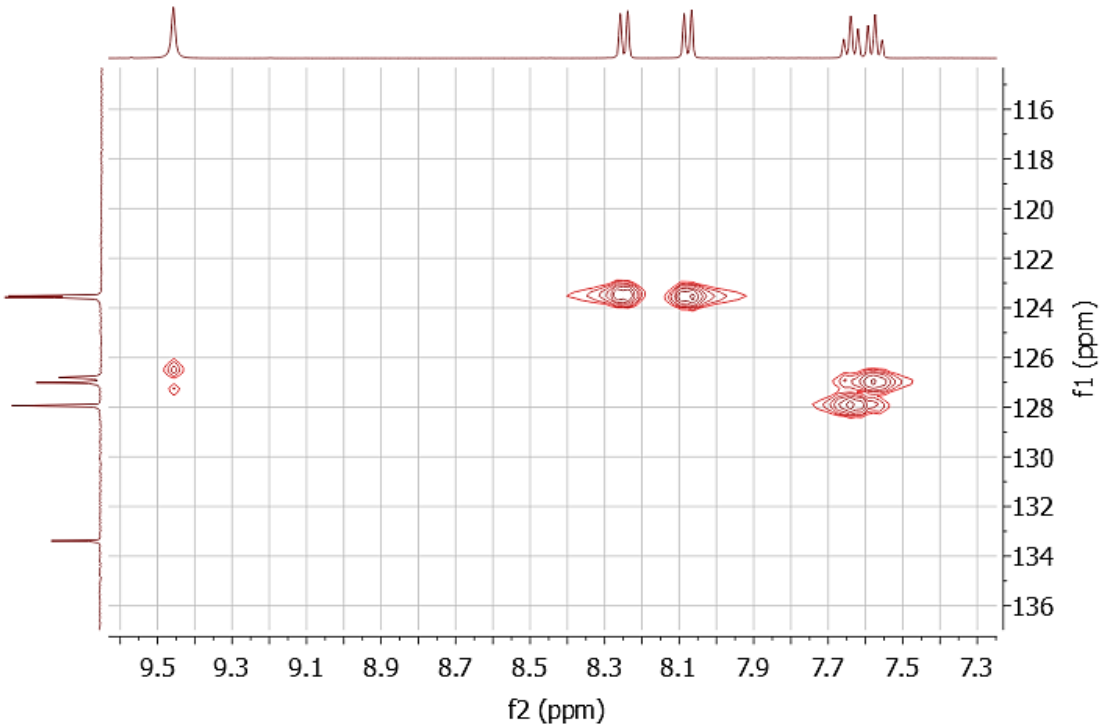

Figure S6.16: HSQC NMR spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz) in DMSO-d_6.

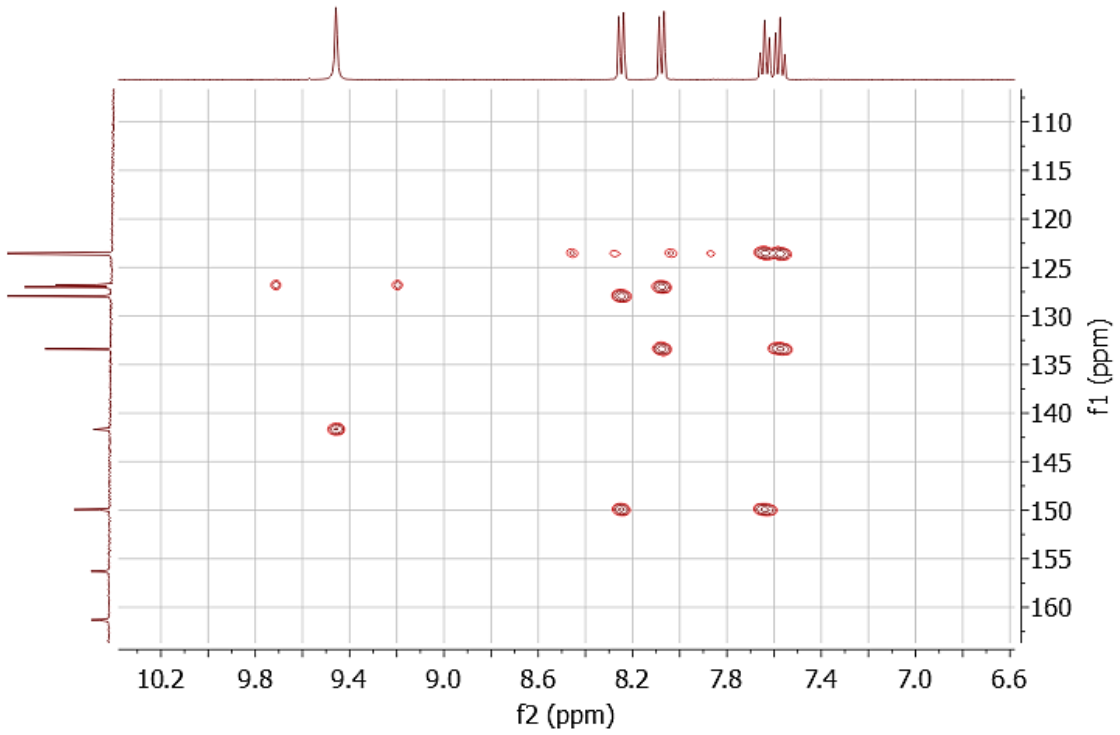

Figure S6.17: HMBC NMR spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz) in DMSO-d_6.

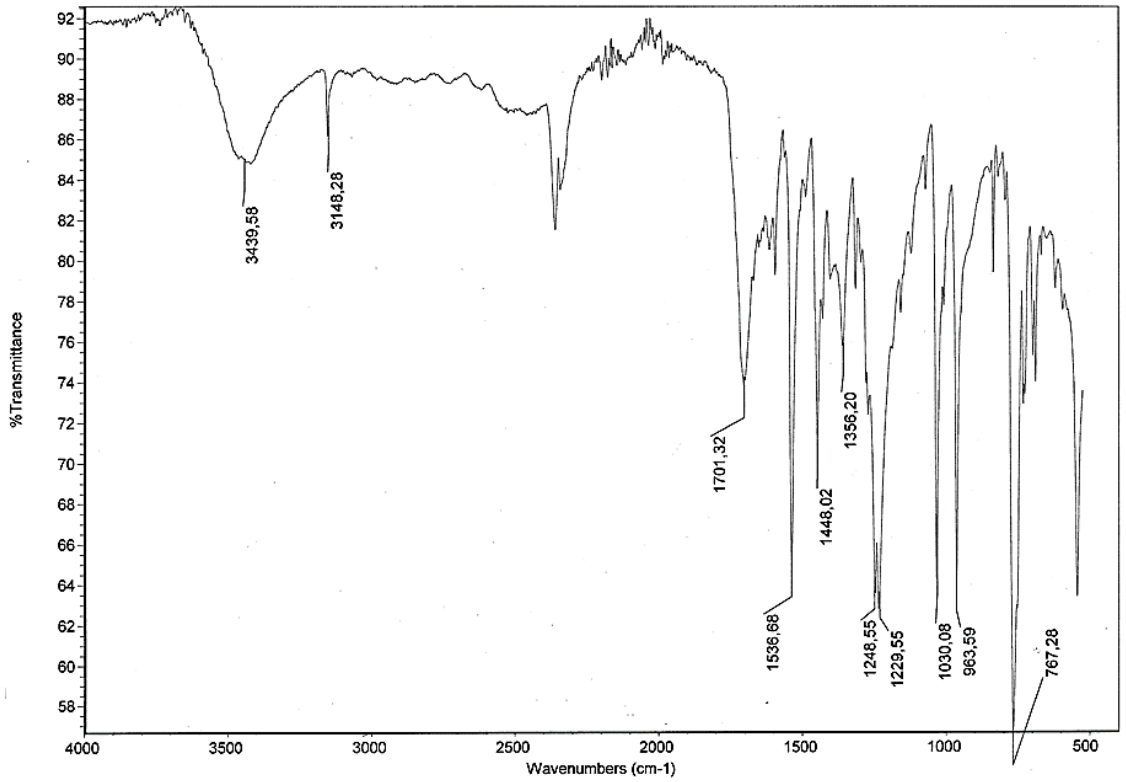

Figure S6.18: IR spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz).

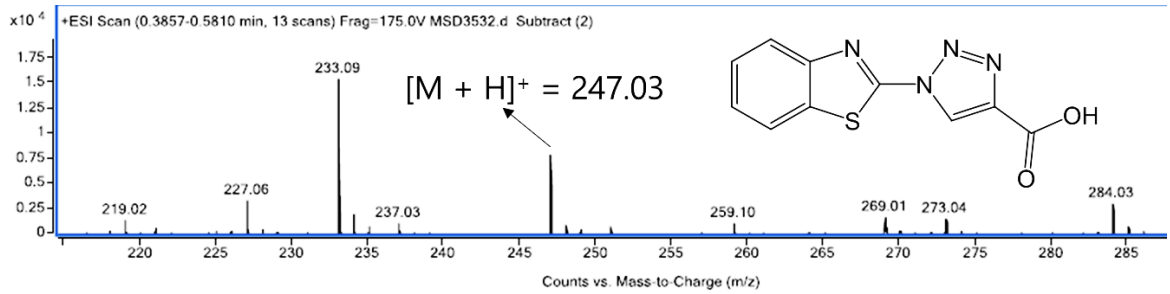

Figure S6.19: ESI mass spectrum of 1-(benzo[*d*]thiazol-2-yl)-1*H*-1,2,3-triazole-4-carboxylic acid (BzTz).

BzTz-Lys-NH₂

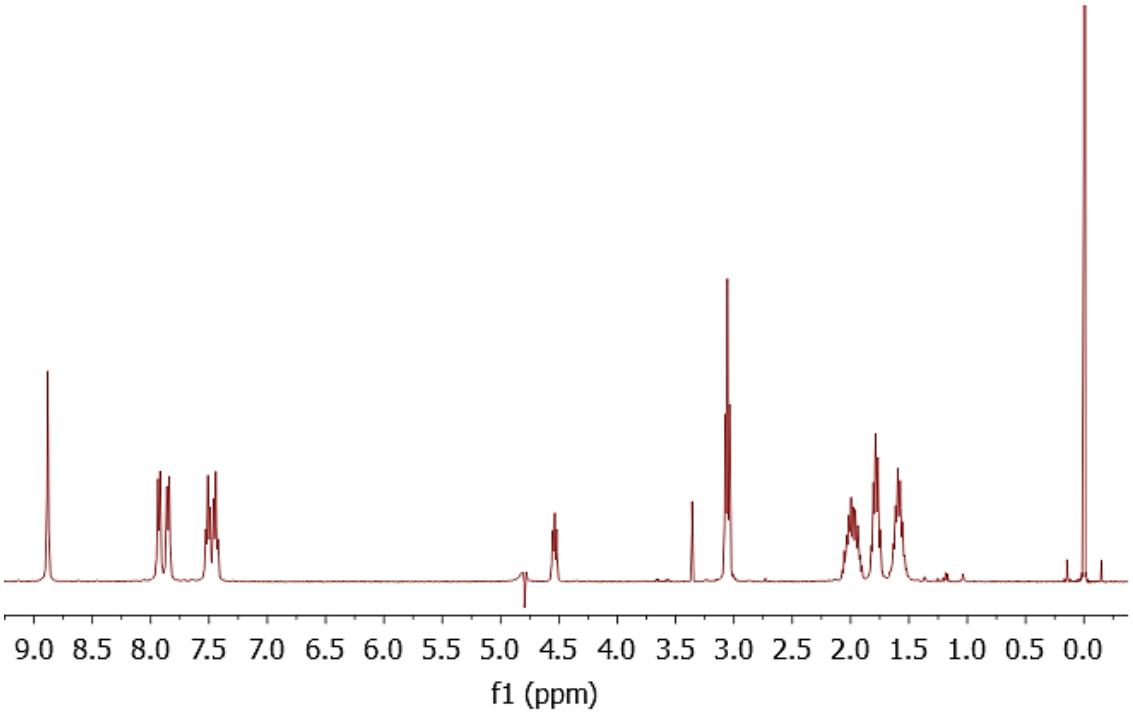

Figure S6.20: ^{1}H NMR spectrum of BzTz-Lys-NH_2 in D_2O (pH 7.4).

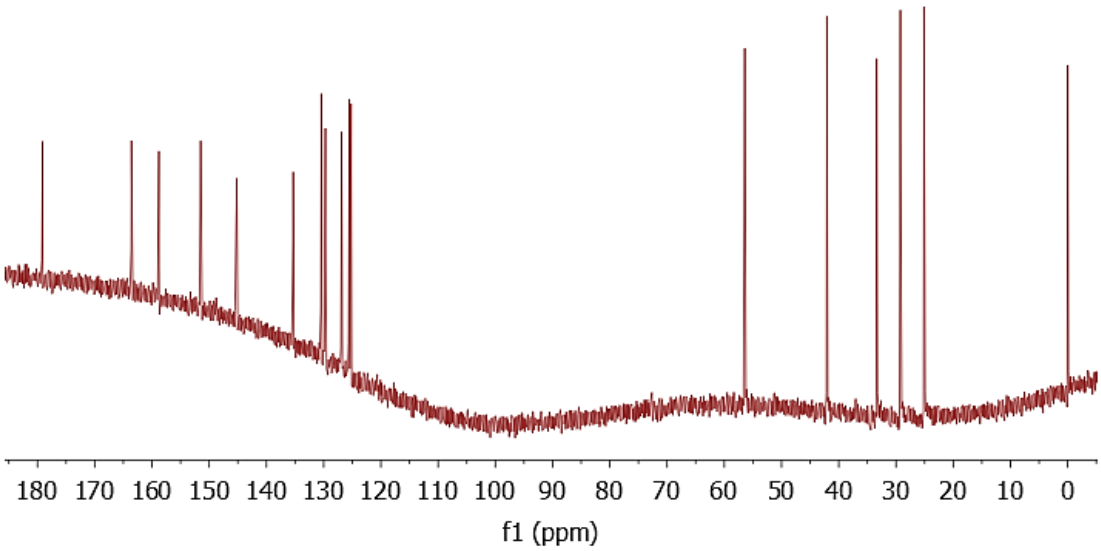

Figure S6.21: ^{13}C NMR spectrum of BzTz-Lys-NH_2 in D_2O (pH 7.4).

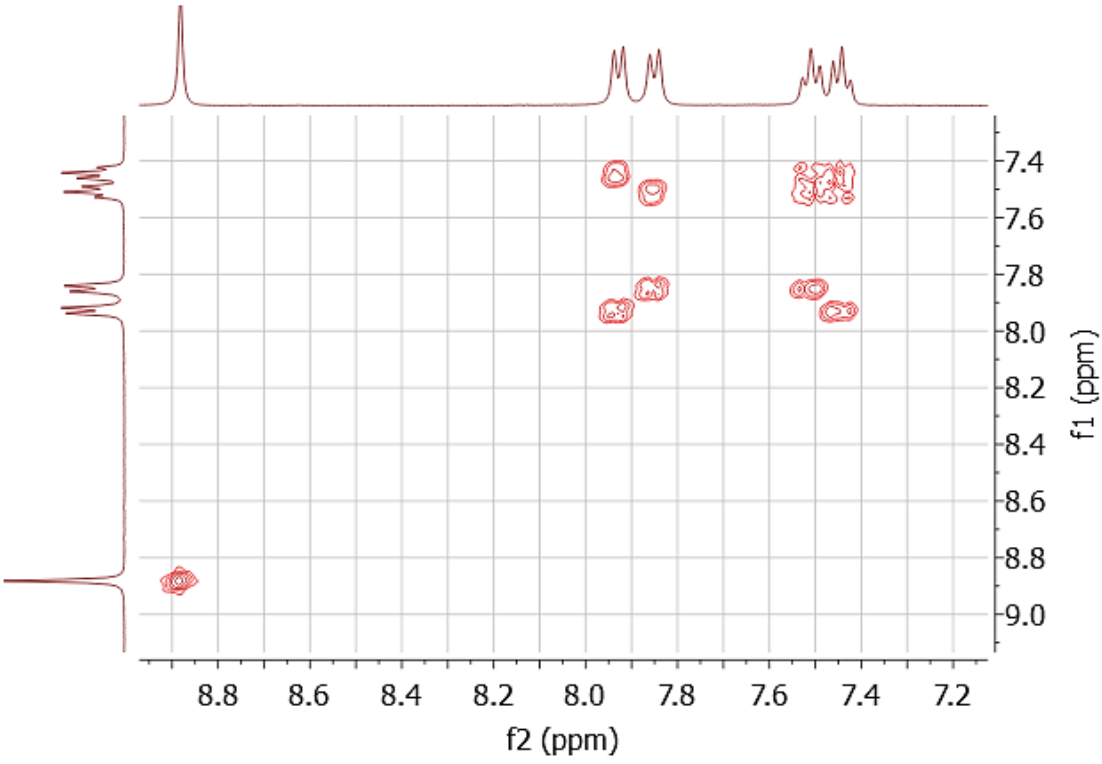

Figure S6.22: COSY NMR spectrum of BzTz-Lys-NH_2 in D_2O (pH 7.4).

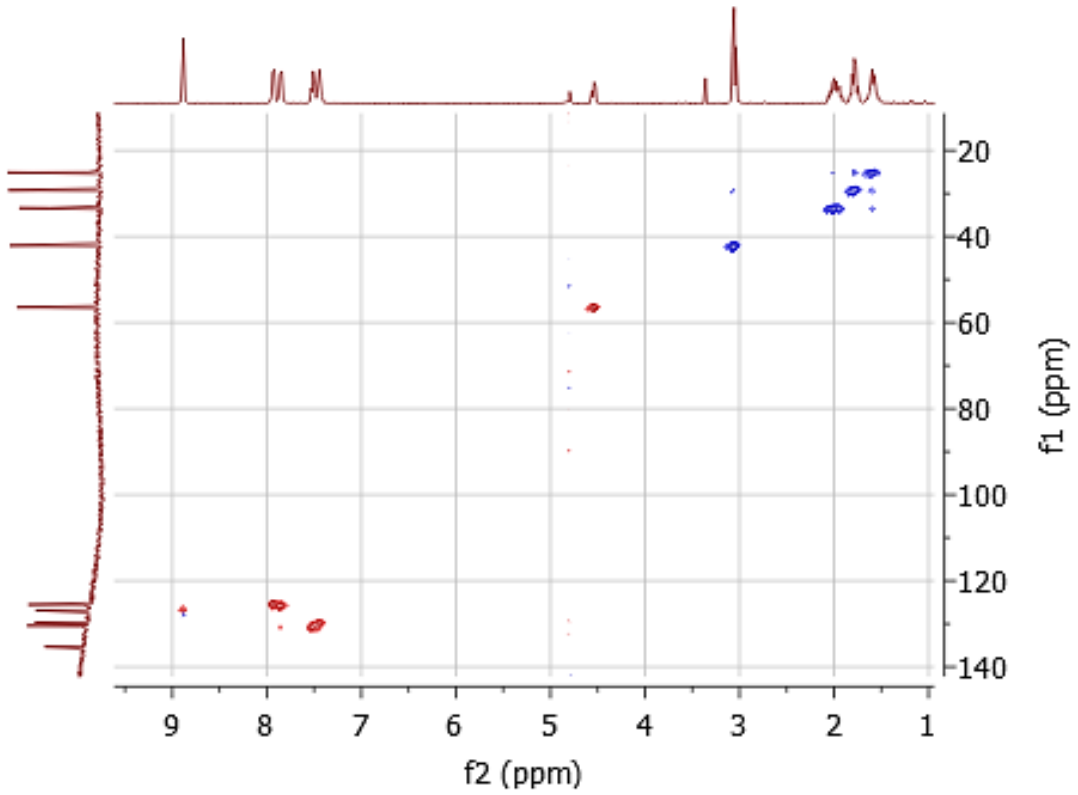

Figure S6.23: HSQC NMR spectrum of BzTz-Lys-NH_2 in D_2O (pH 7.4).

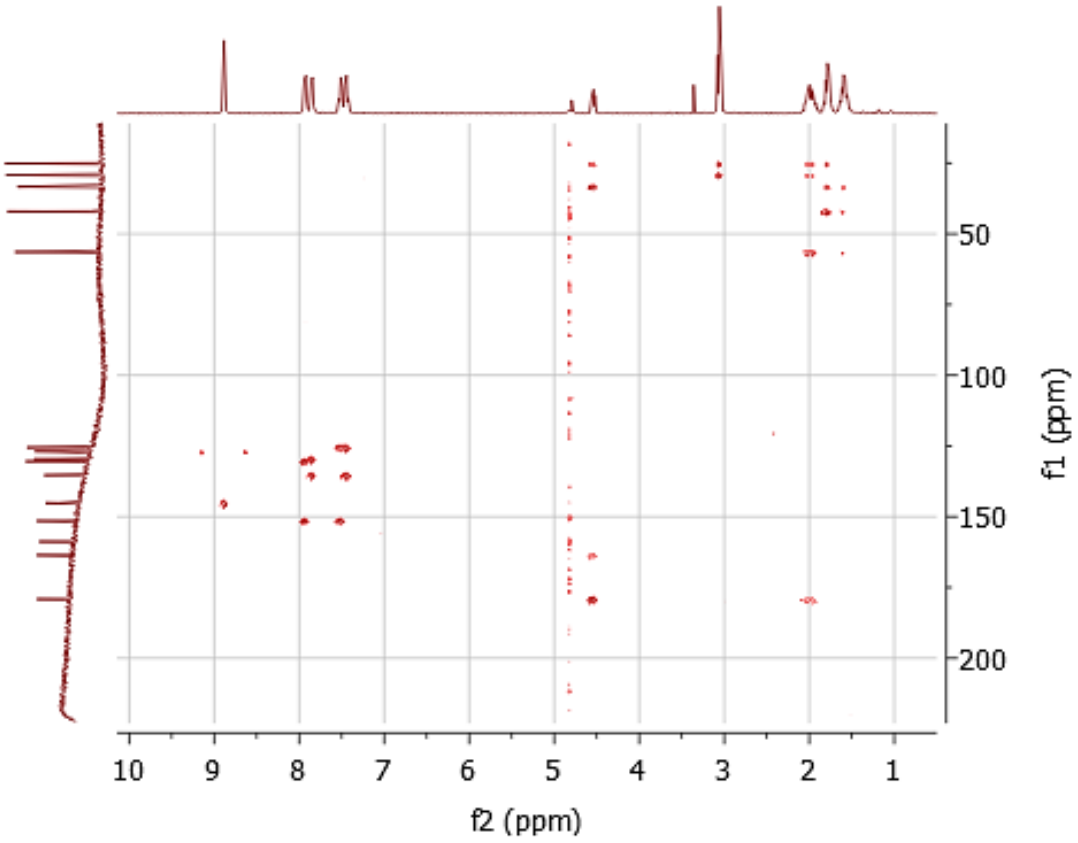

Figure S6.24: HMBC NMR spectrum of BzTz-Lys-NH_2 in D_2O (pH 7.4).