

***N*(4)-Tolyl-2-benzoylpyridine Thiosemicarbazones and their Copper(II) Complexes with Significant Antifungal Activity. Crystal Structure of *N*(4)-*Para*-tolyl-2-benzoylpyridine Thiosemicarbazone**

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Table S1. The main ¹H NMR signals (δ , ppm) of isomers *Z* and *E* for *N*(4)-*para*-tolyl-2-benzoylpyridine thiosemicarbazone (HL3) in DMSO-*d*₆

Attribution	HL3				Multiplicity	
	<i>Z</i>		<i>E</i>		<i>Z</i>	<i>E</i>
H(3)	7.48	7.39	8.67	8.65	d	d
H(4)	8.04	8.02	7.93	7.91	t	t
H(5)	7.63	7.61	7.60	7.56	t	t
H(6)	8.89	8.87	8.47	8.46	d	d
N(3)-H	13.03		10.48		s	s
N(4)-H	10.22		8.93		s	s

s=singlet, d=doublet and t=triplet.

Table S2. The main ¹³C NMR signals (δ , ppm) of isomers *Z* and *E* for *N*(4)-*para*-tolyl-2-benzoylpyridine thiosemicarbazone (HL3) in DMSO-*d*₆

Attribution	HL3	
	<i>Z</i>	<i>E</i>
C(2)	151.40	154.37
C(3)	125.26	122.80
C(4)	138.29	136.48
C(5)	125.26	124.12
C(6)	148.89	148.63
C(7)=N	143.70	149.56
C(8)=S	176.52	176.34