

SUPPLEMENTARY MATERIAL

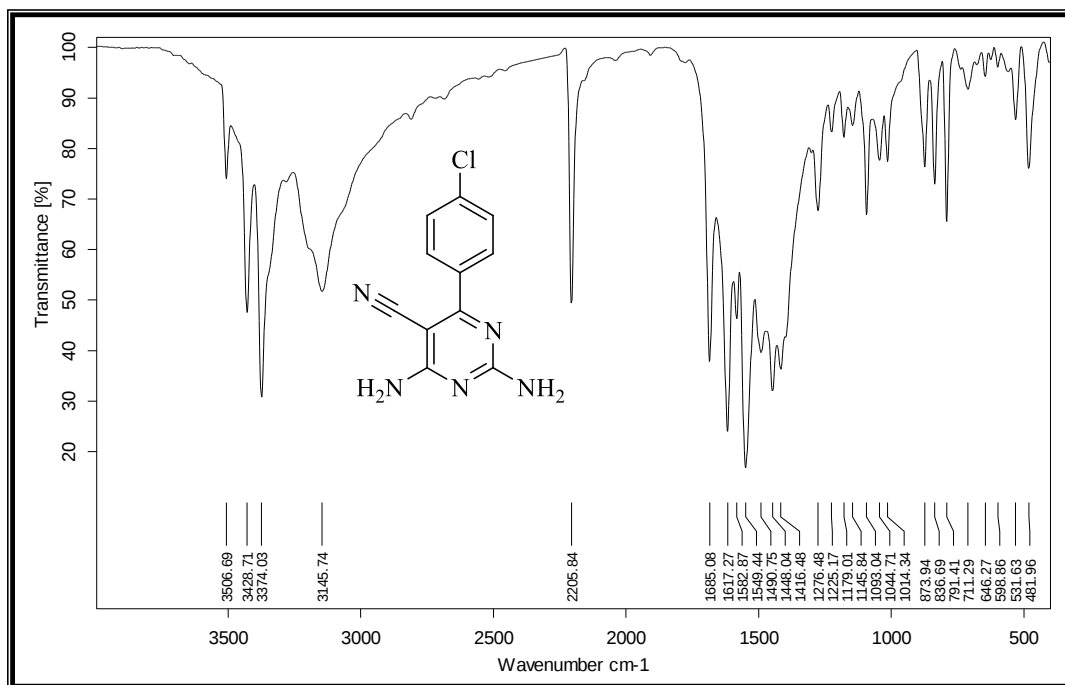


Figure 1S. IR spectrum of 2,4-diamino-6-(4-chlorophenyl)pyrimidine-5-carbonitrile (4a)

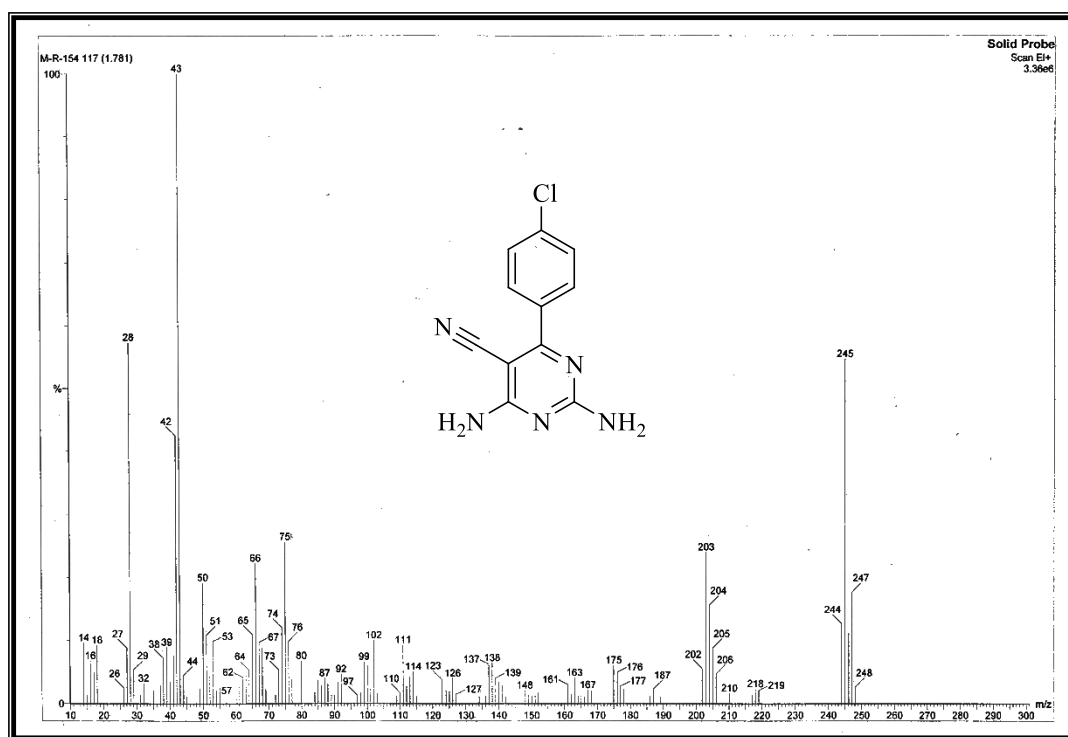


Figure 2S. Mass spectrum of 2,4-diamino-6-(4-chlorophenyl)pyrimidine-5-carbonitrile (4a)

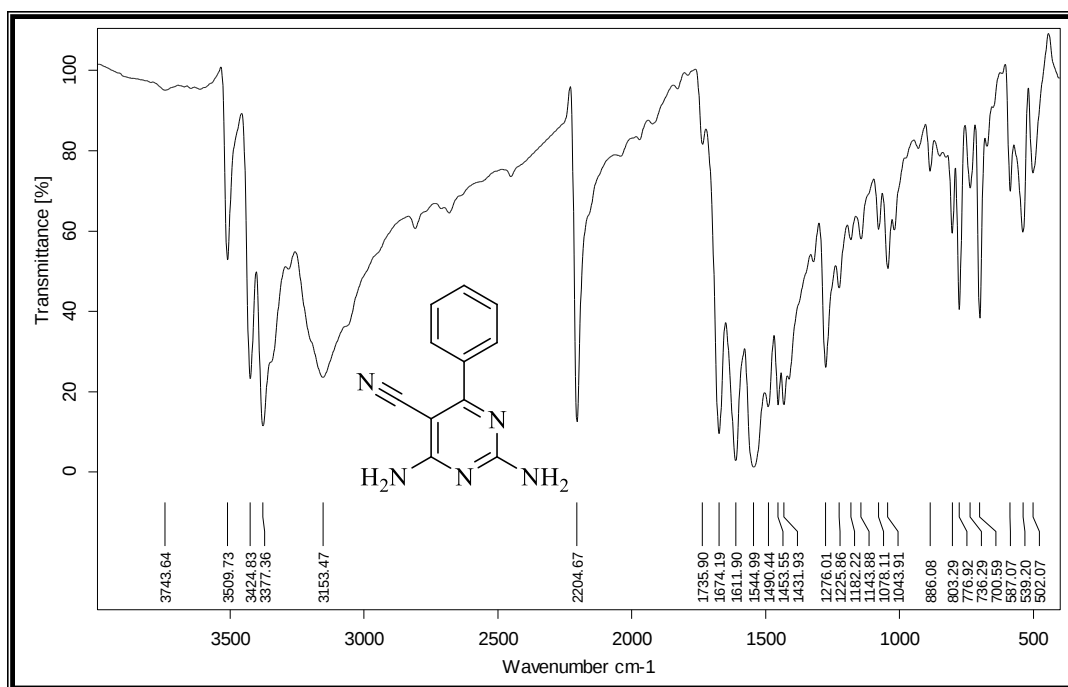


Figure 3S. IR spectrum of 2,4-diamino-6-(phenyl)pyrimidine-5-carbonitrile (**4b**)

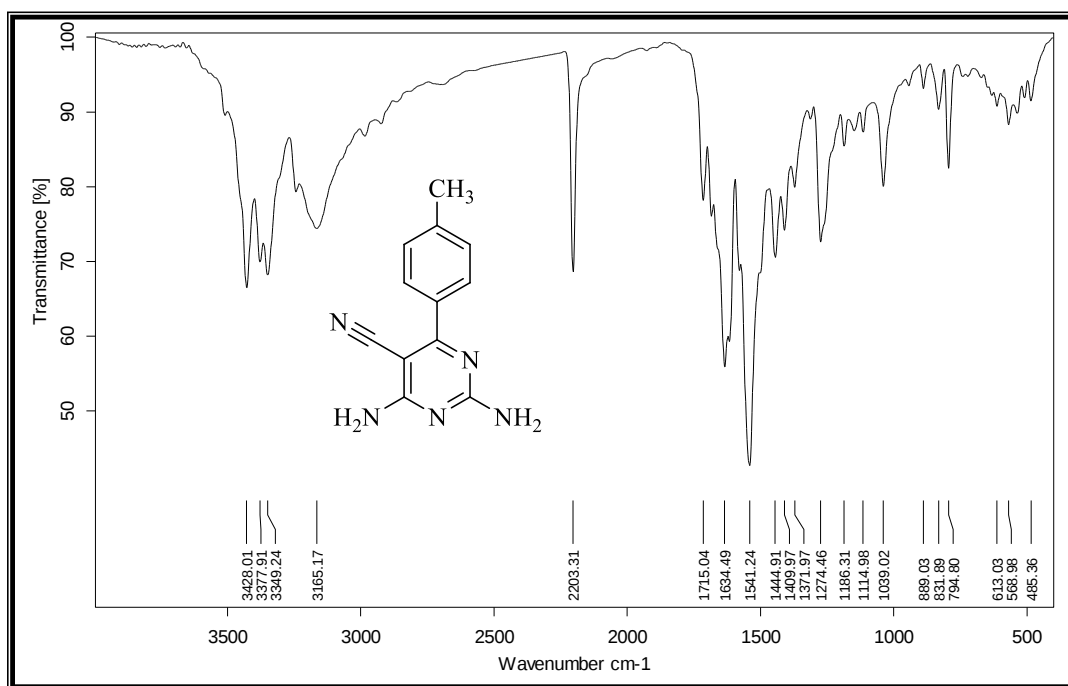


Figure 4S. IR spectrum of 2,4-diamino-6-p-tolylpyrimidine-5-carbonitrile (**4c**)

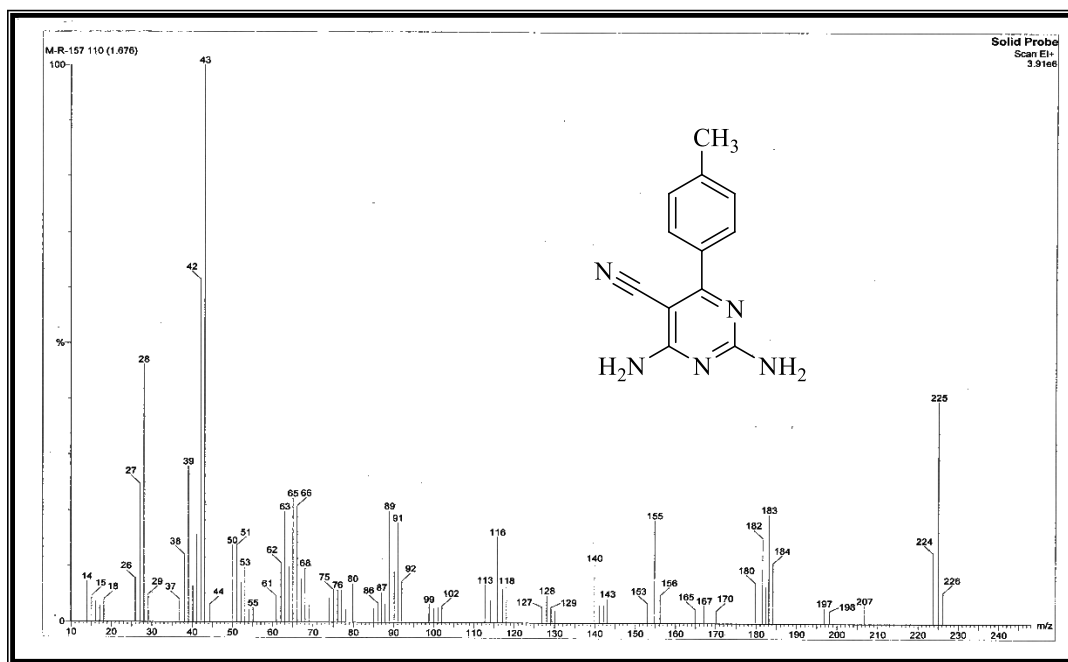


Figure 5S. Mass spectrum of 2,4-diamino-6-p-tolylpyrimidine-5-carbonitrile (**4c**)

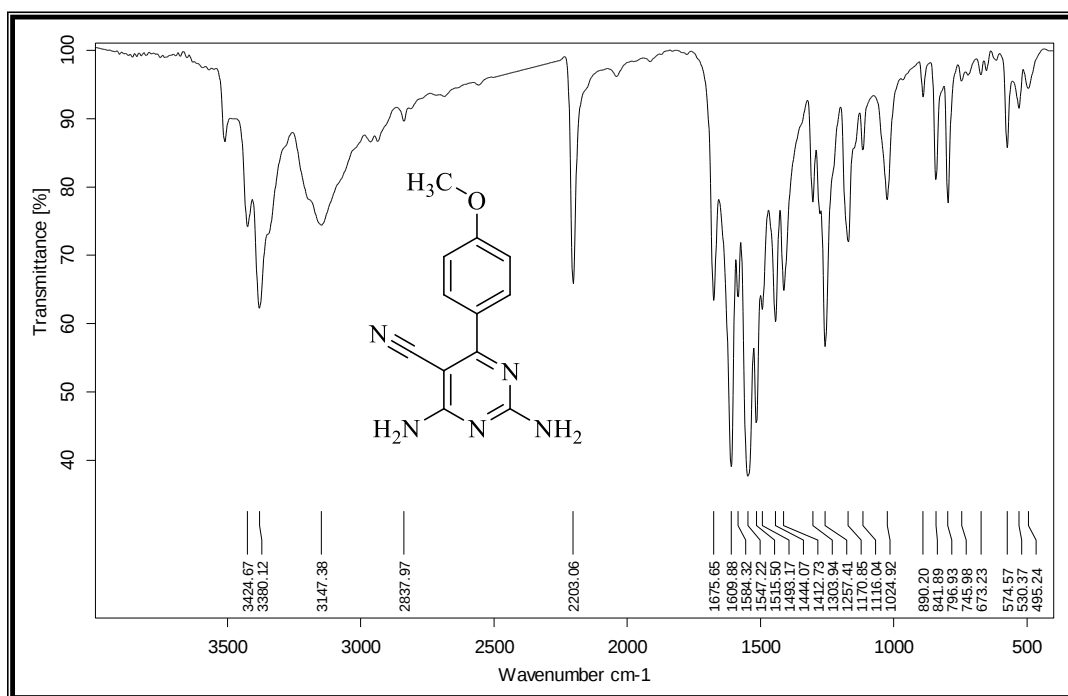


Figure 6S. IR spectrum of 2,4-diamino-6-(4-methoxyphenyl)pyrimidine-5-carbonitrile (**4d**)

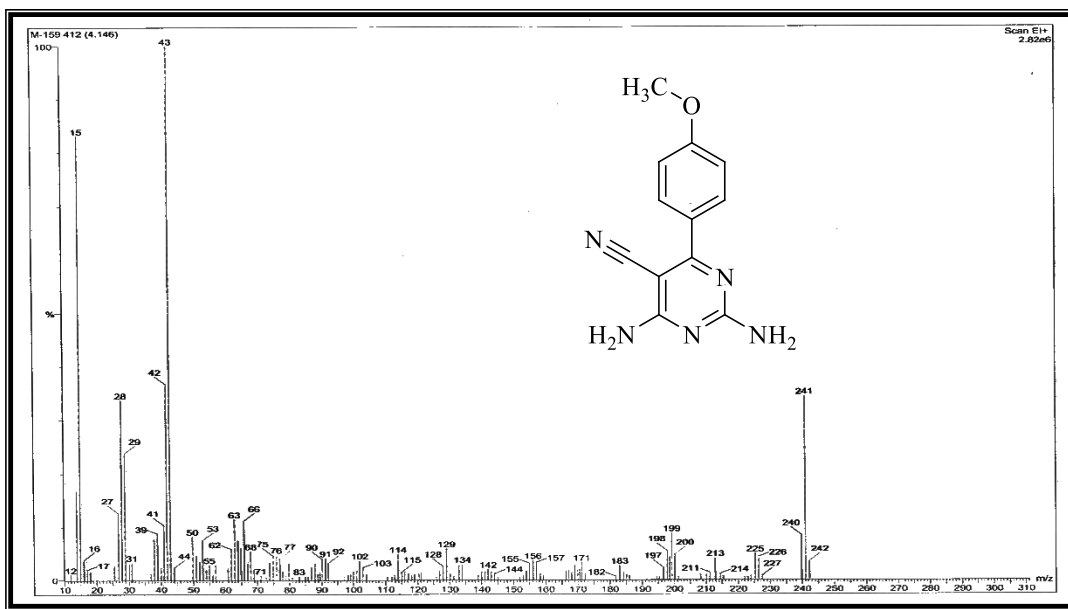


Figure 7S. Mass spectrum of 2,4-diamino-6-(4-methoxyphenyl)pyrimidine-5-carbonitrile (**4d**)

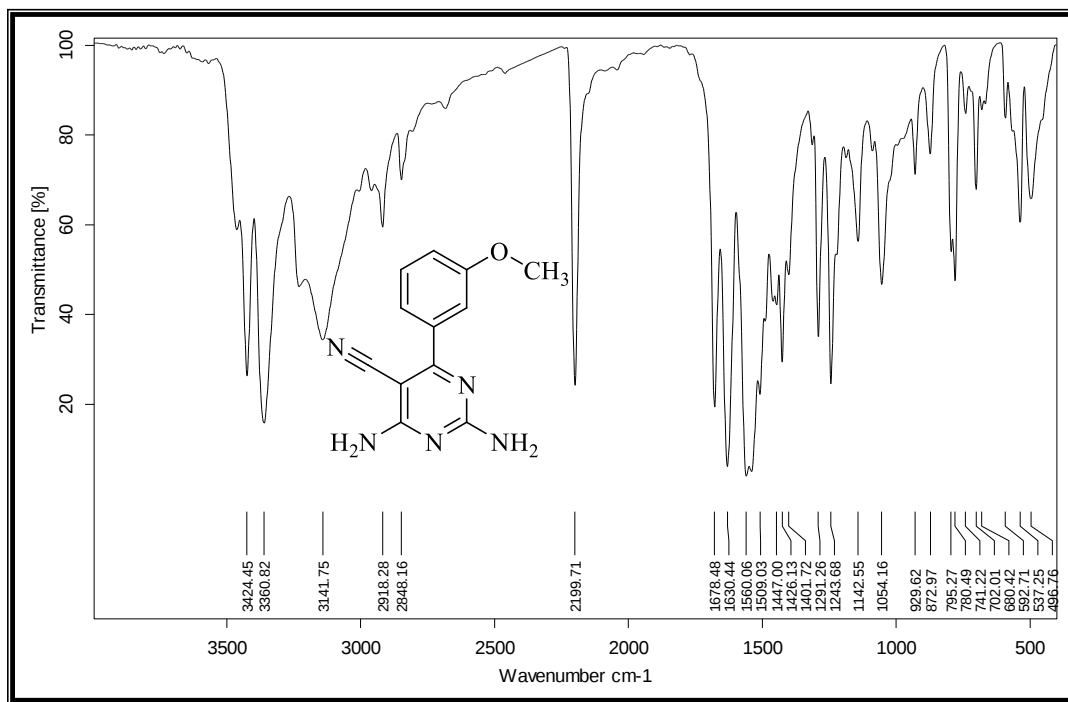


Figure 8S. IR spectrum of 2,4-diamino-6-(3-methoxyphenyl)pyrimidine-5-carbonitrile (**4e**)

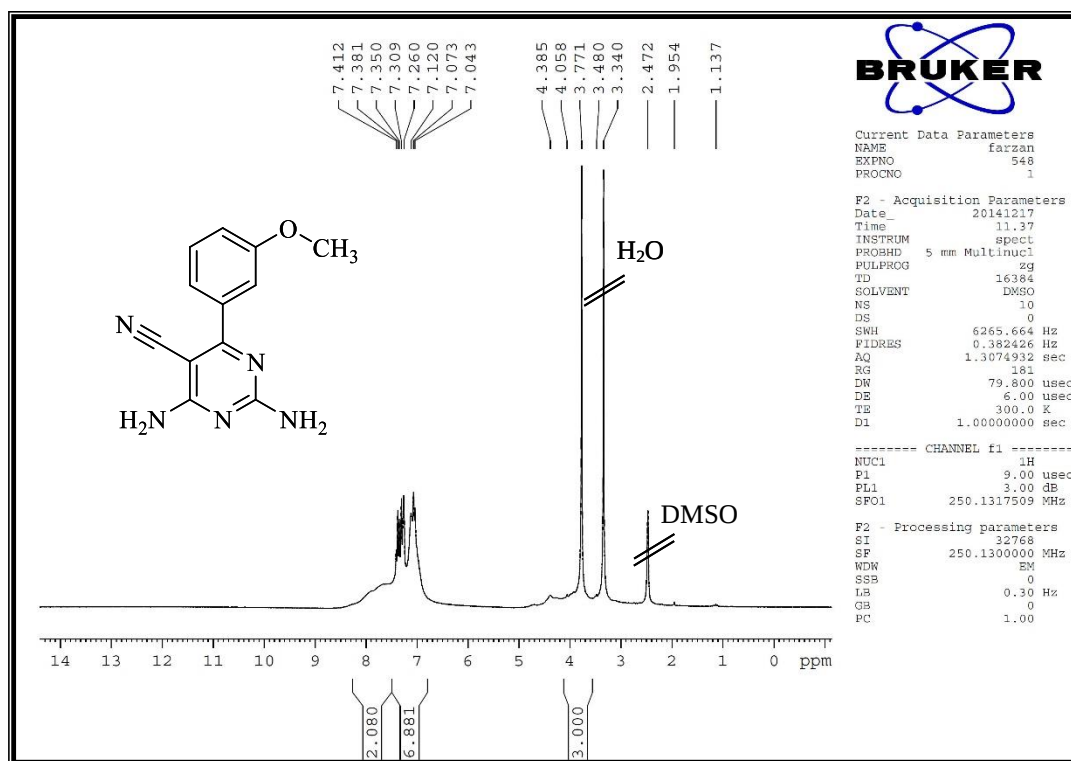


Figure 9S. ¹H NMR of 2,4-diamino-6-(3-methoxyphenyl)pyrimidine-5-carbonitrile (**4e**)

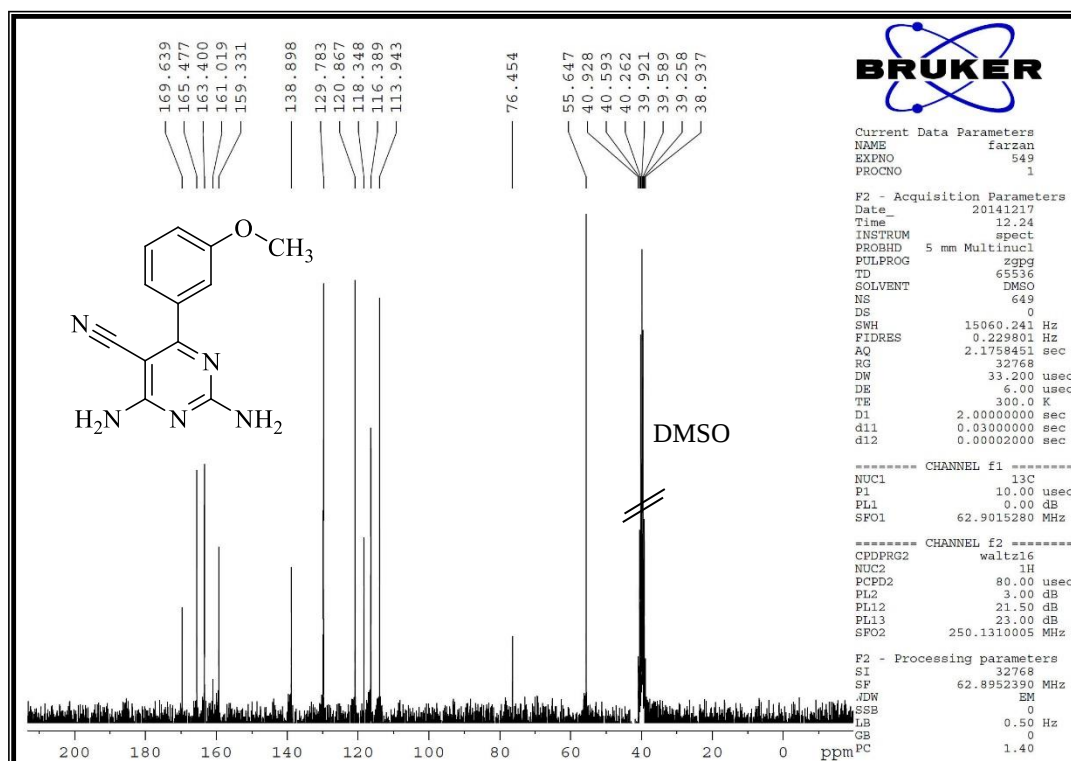


Figure 10S. ¹³C NMR of 2,4-diamino-6-(3-methoxyphenyl)pyrimidine-5-carbonitrile (**4e**)

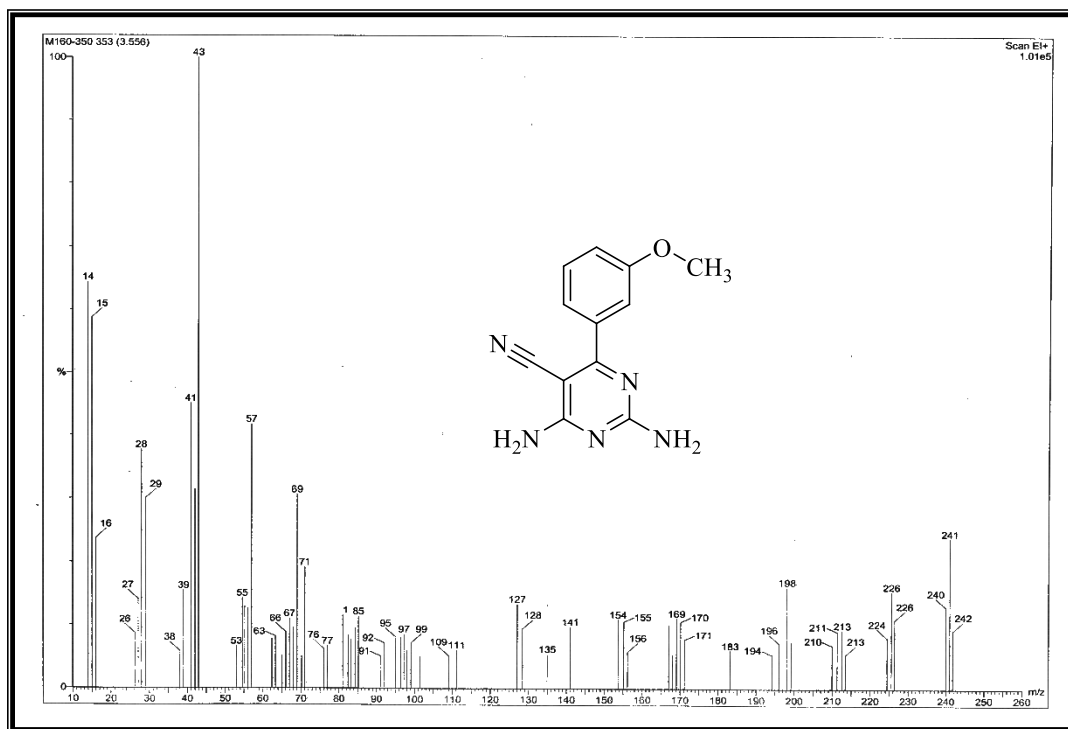


Figure 11S. Mass spectrum of 2,4-diamino-6-(3-methoxyphenyl)pyrimidine-5-carbonitrile (4e)

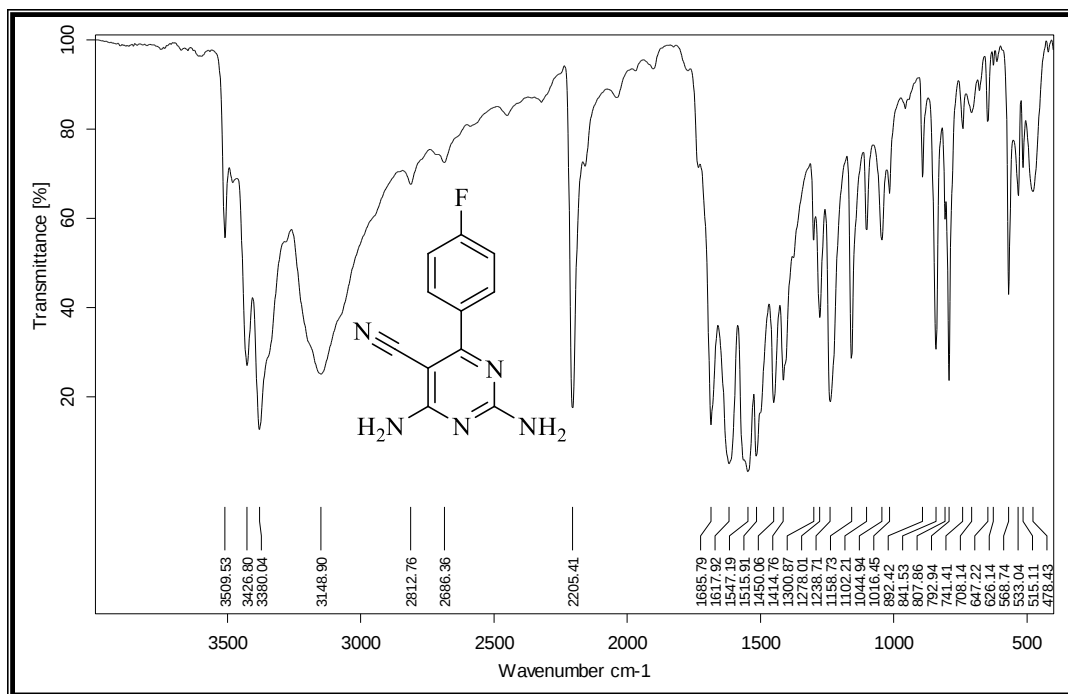


Figure 12S. IR spectrum of 2,2,4-diamino-6-(4-fluorophenyl)pyrimidine-5-carbonitrile (4f)

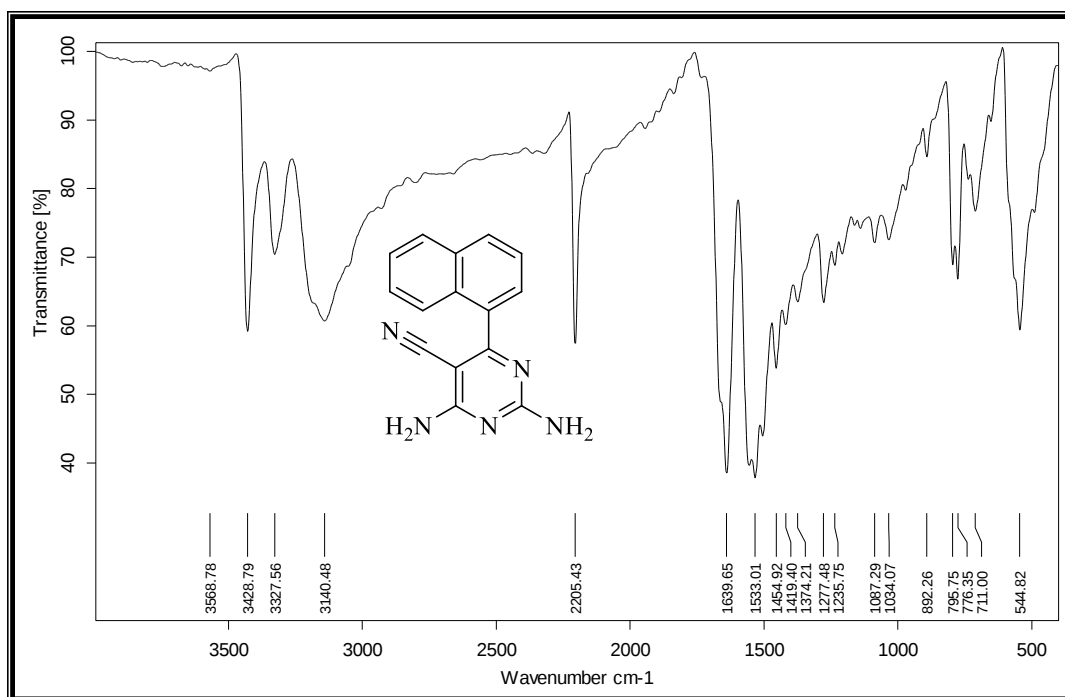


Figure 13S. IR spectrum of 2,4-diamino-6-(naphthalen-1-yl)pyrimidine-5-carbonitrile (4g)

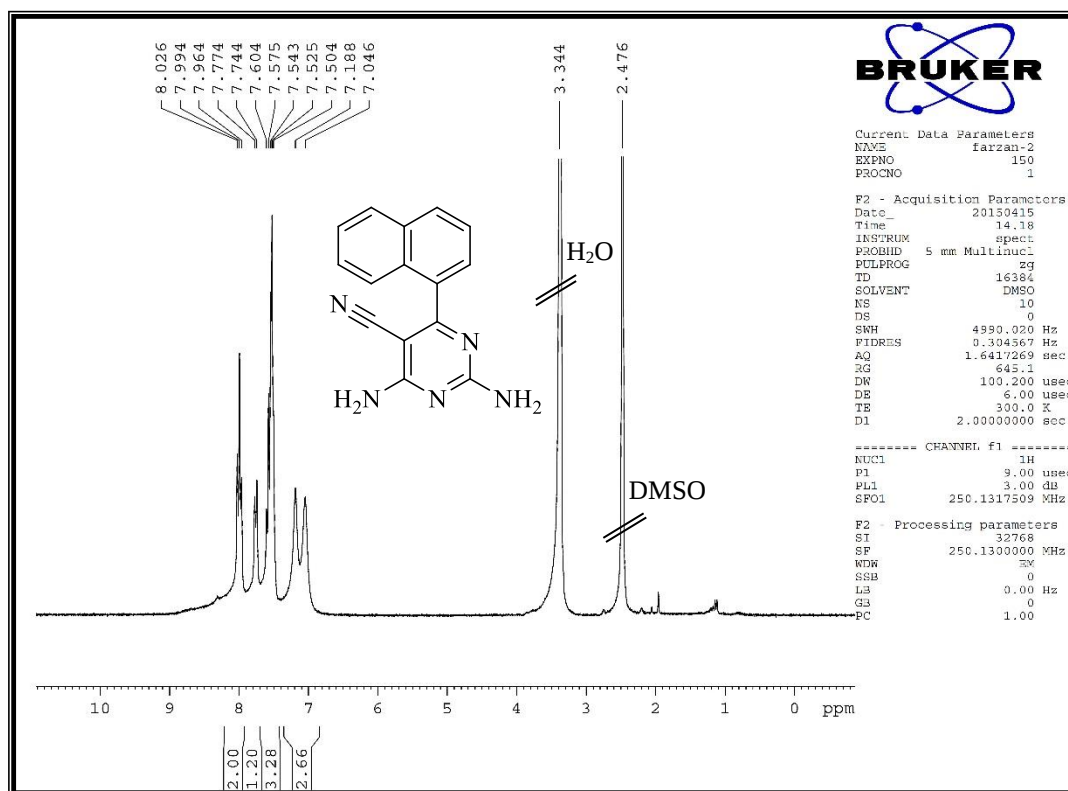


Figure 14S. ¹H NMR of 2,4-diamino-6-(naphthalen-1-yl)pyrimidine-5-carbonitrile (4g)

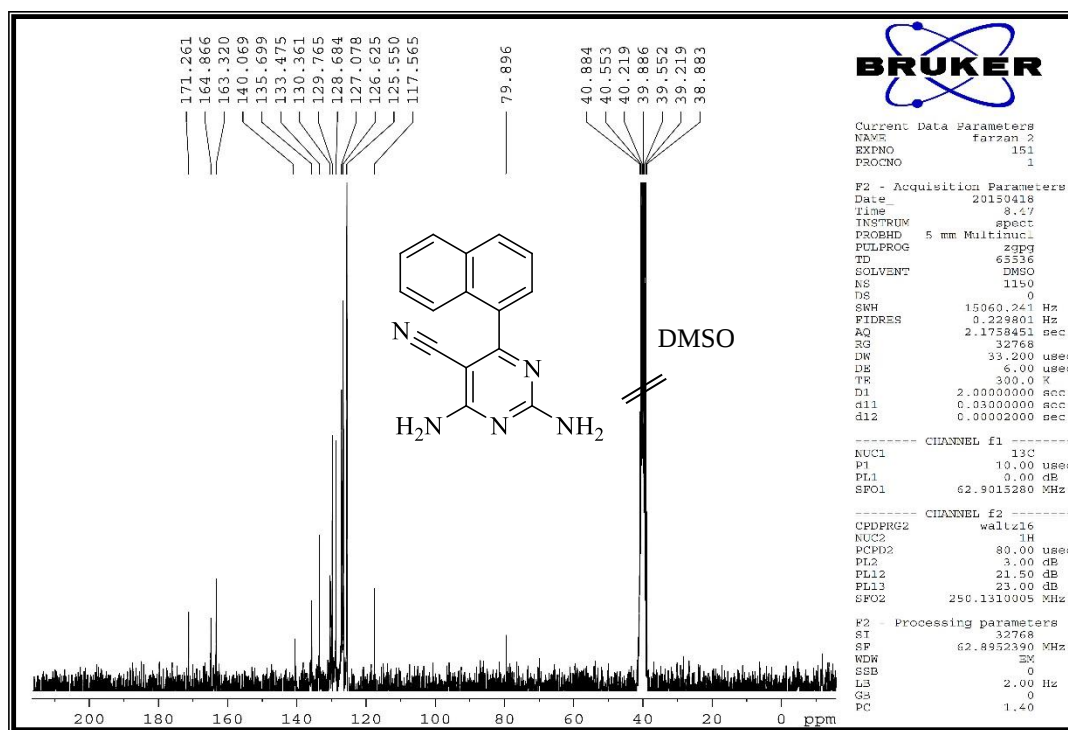


Figure 15S. ^{13}C NMR of 2,4-diamino-6-(naphthalen-1-yl)pyrimidine-5-carbonitrile (**4g**)

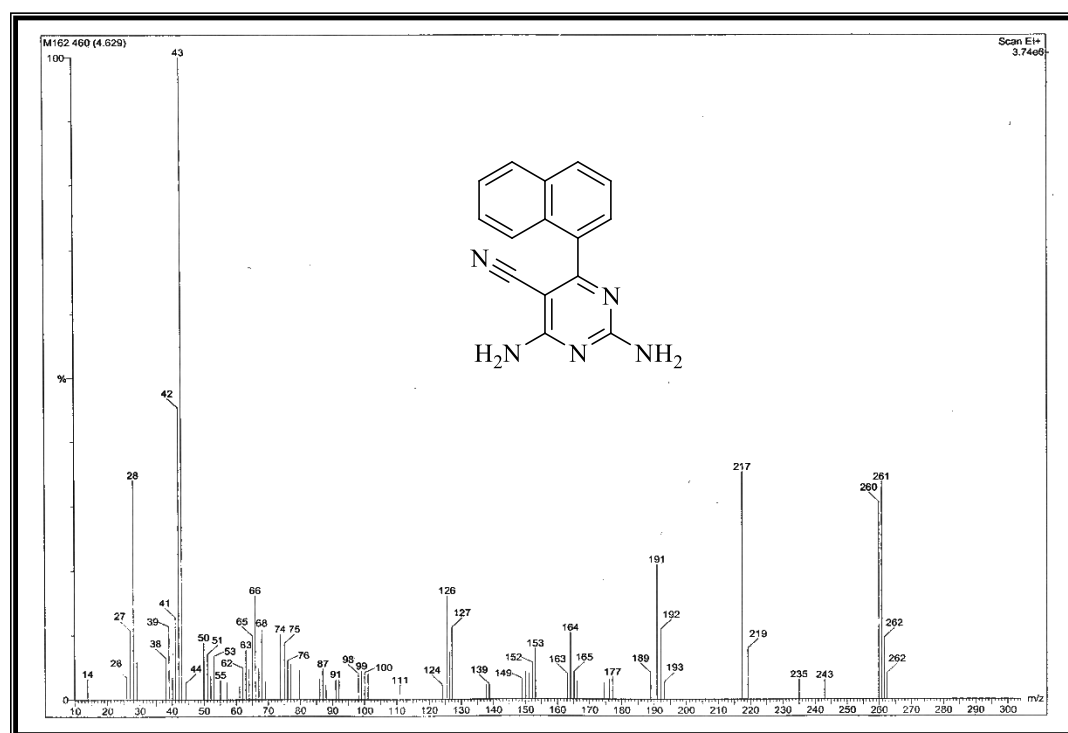


Figure 16S. Mass spectrum of 2,4-diamino-6-(naphthalen-1-yl)pyrimidine-5-carbonitrile (**4g**)

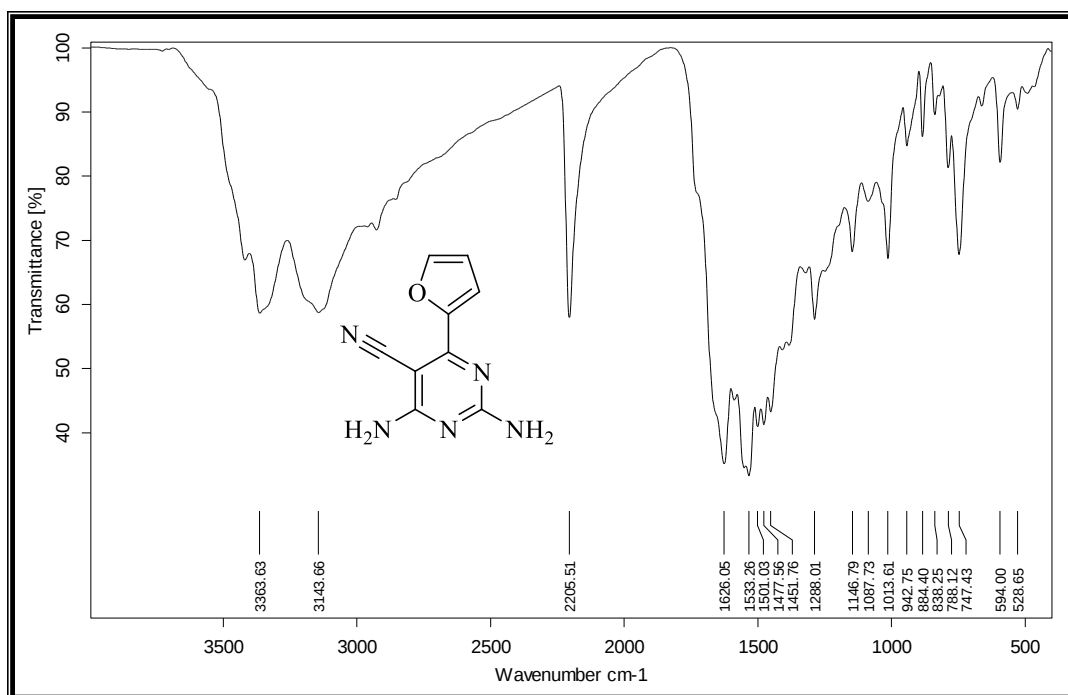


Figure 17S. IR spectrum of 2,4-diamino-6-(furan-2-yl)pyrimidine-5-carbonitrile (**4h**)

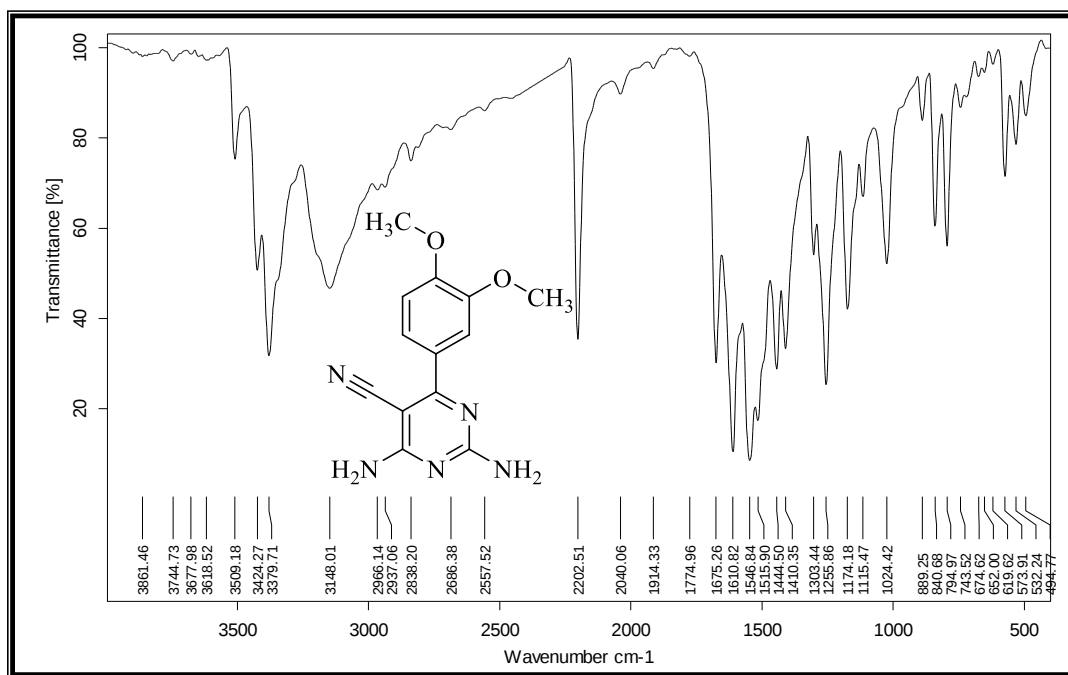


Figure 18S. IR spectrum of 2,4-diamino-6-(3,4-dimethoxyphenyl)pyrimidine-5-carbonitrile (**4i**)