Supplementary Figures

1- Positive control data

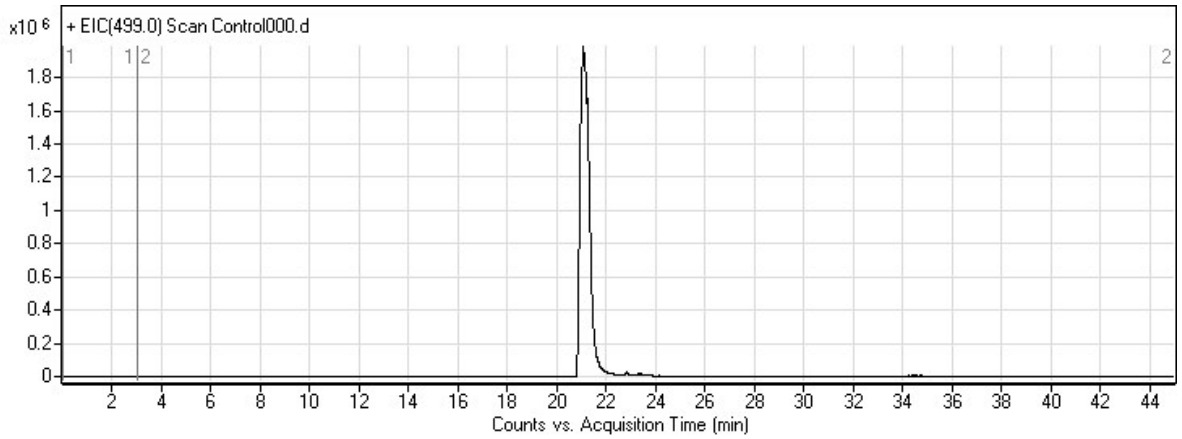

Figure S1: Extracted ion chromatogram of *m/z* 499 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing masitinib peak.

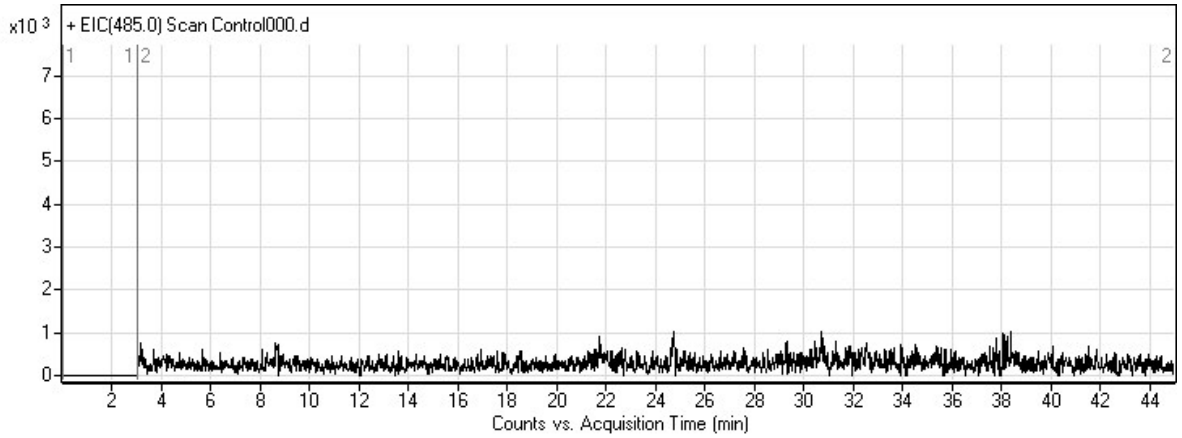

Figure S2: Extracted ion chromatogram of *m/z* 485 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at *m/z* 485 at the retention time of the proposed metabolite.

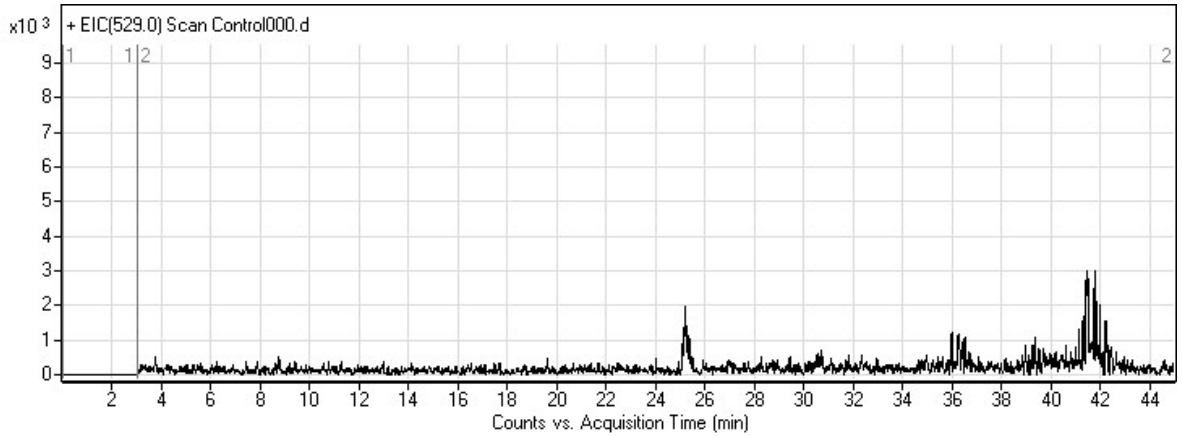

Figure S3: Extracted ion chromatogram of *m/z* 529 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at *m/z* 529 at the retention time of the proposed metabolite.

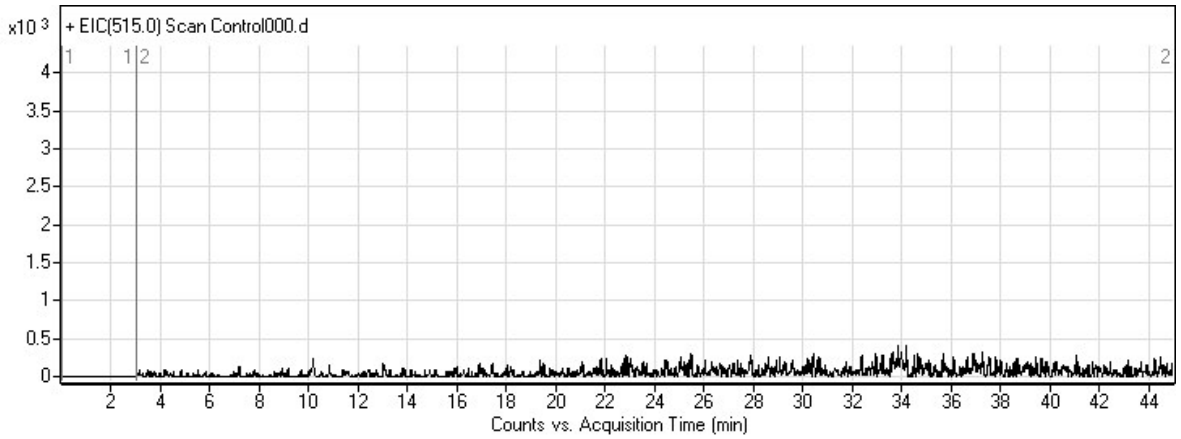

Figure S4: Extracted ion chromatogram of m/z 515 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 515 at retention times of proposed metabolites.

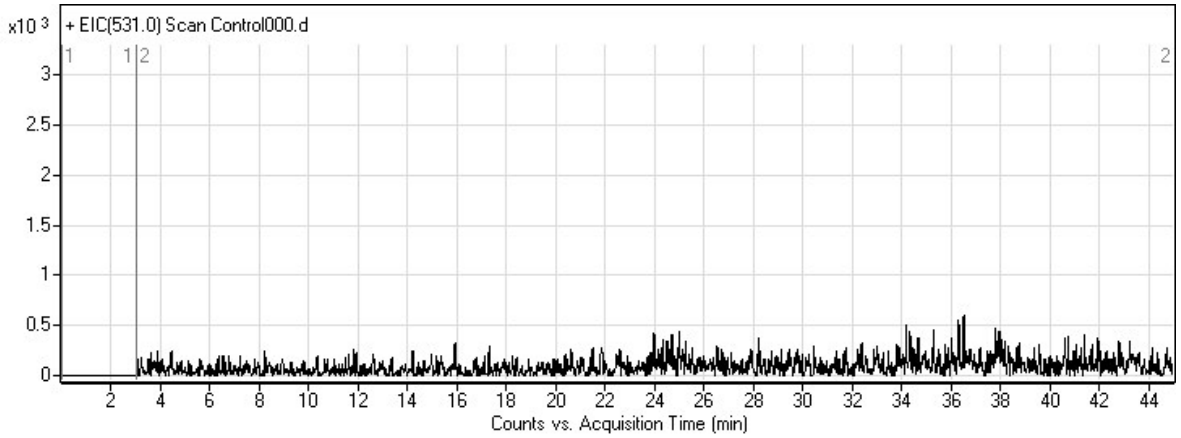

Figure S5: Extracted ion chromatogram of m/z 531 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 531 at retention times of proposed metabolites.

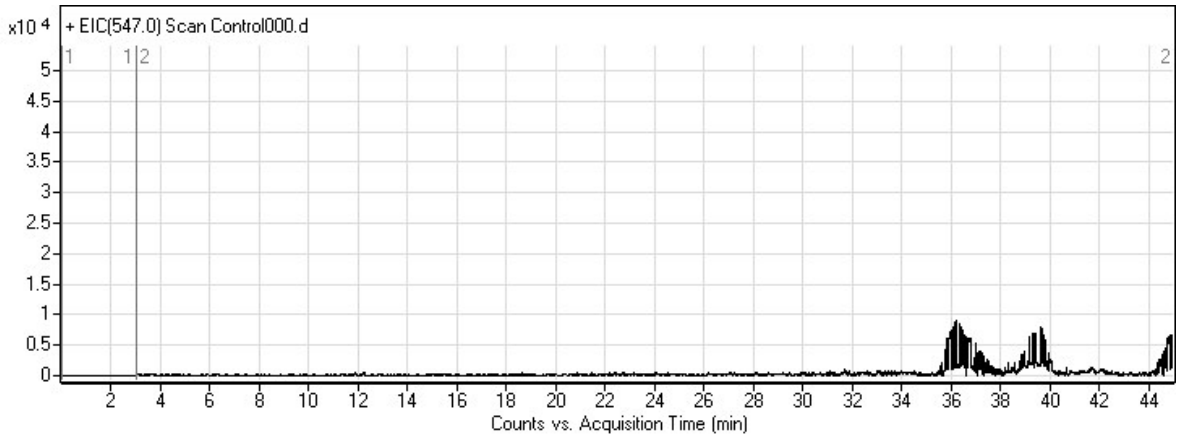

Figure S6: Extracted ion chromatogram of m/z 547 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 547 at the retention time of the proposed metabolite.

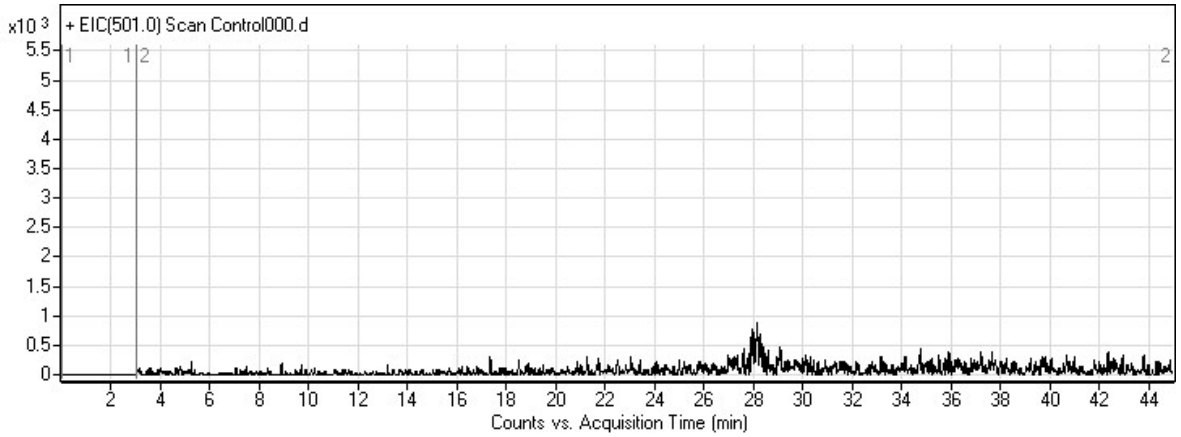

Figure S7: Extracted ion chromatogram of m/z 501 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 501 at the retention time of the proposed metabolite.

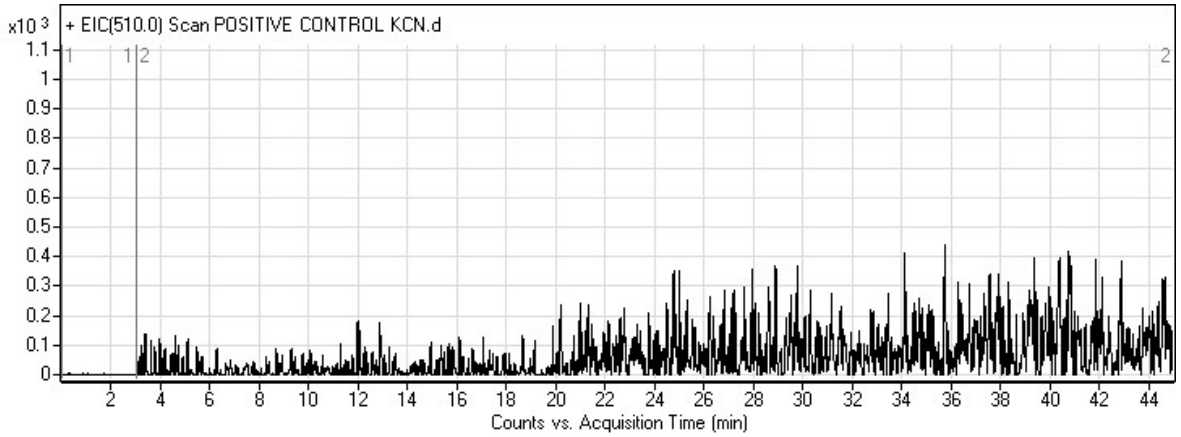

Figure S8: Extracted ion chromatogram of m/z 510 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 510 at the retention time of the proposed metabolite.

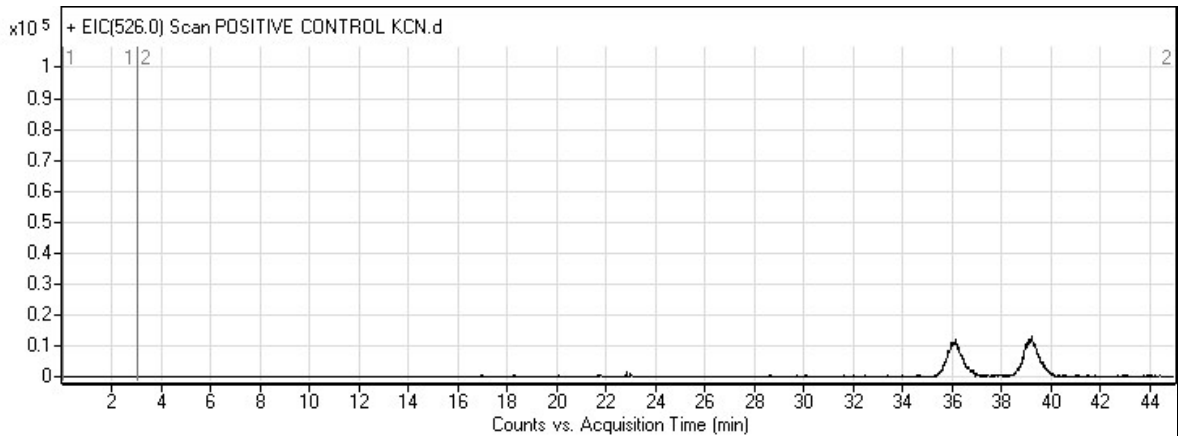

Figure S9: Extracted ion chromatogram of m/z 526 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 526 at the retention time of the proposed metabolite.

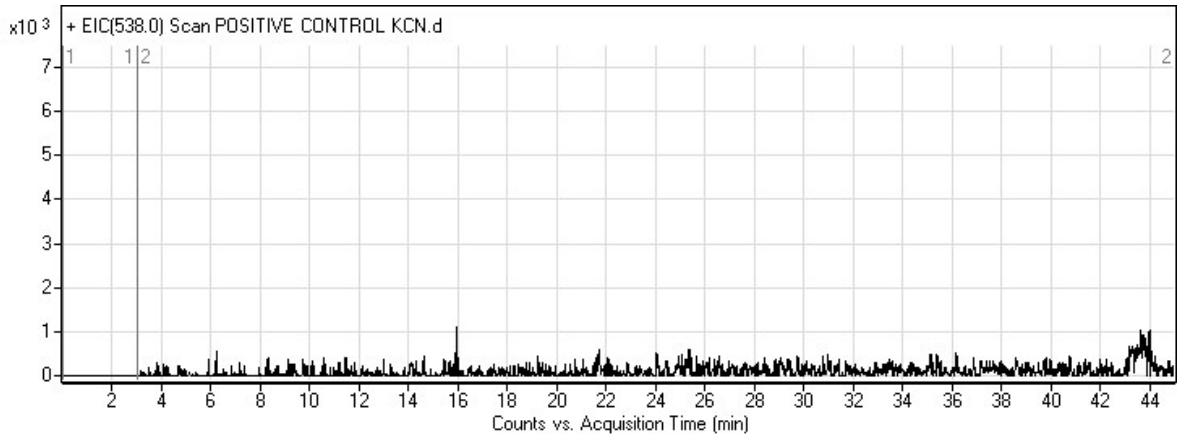

Figure S10: Extracted ion chromatogram of m/z 538 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 538.

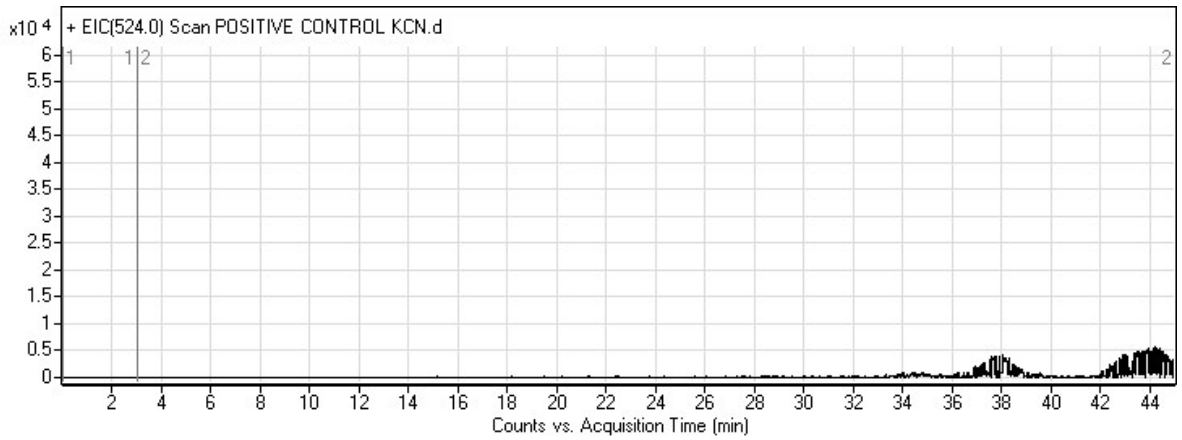

Figure S11: Extracted ion chromatogram of m/z 524 of control microsomal incubation extract (-NADPH) injected in the LC-QqQ showing no peaks at m/z 524 in the retention time of the detected metabolites.

2- Negative control data

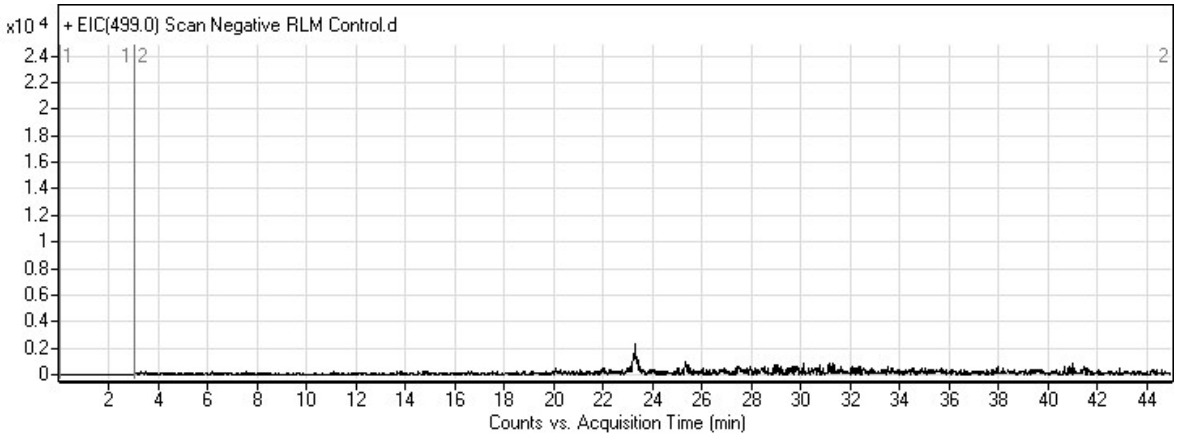

Figure S12: Extracted ion chromatogram of *m/z* 499 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 499.

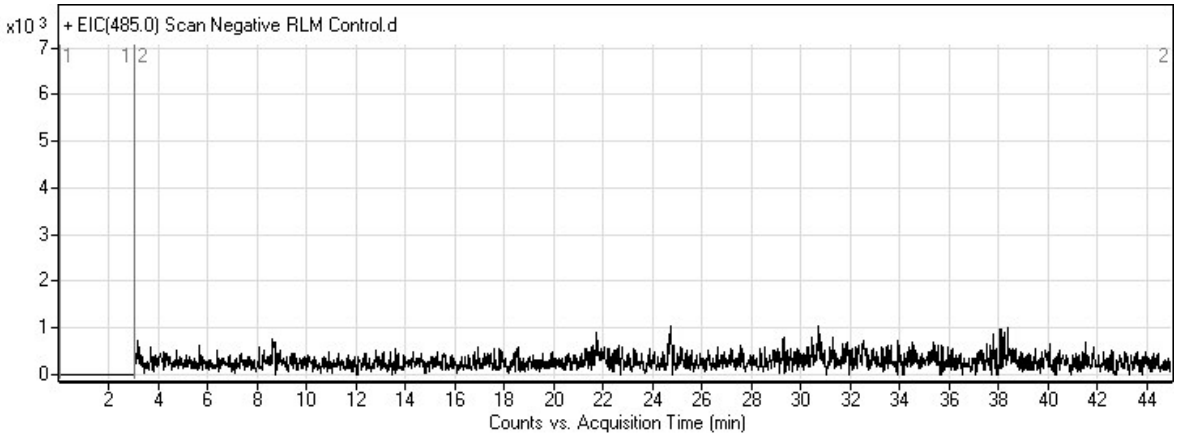

Figure S13: Extracted ion chromatogram of *m/z* 485 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 485 at the retention time of the proposed metabolite.

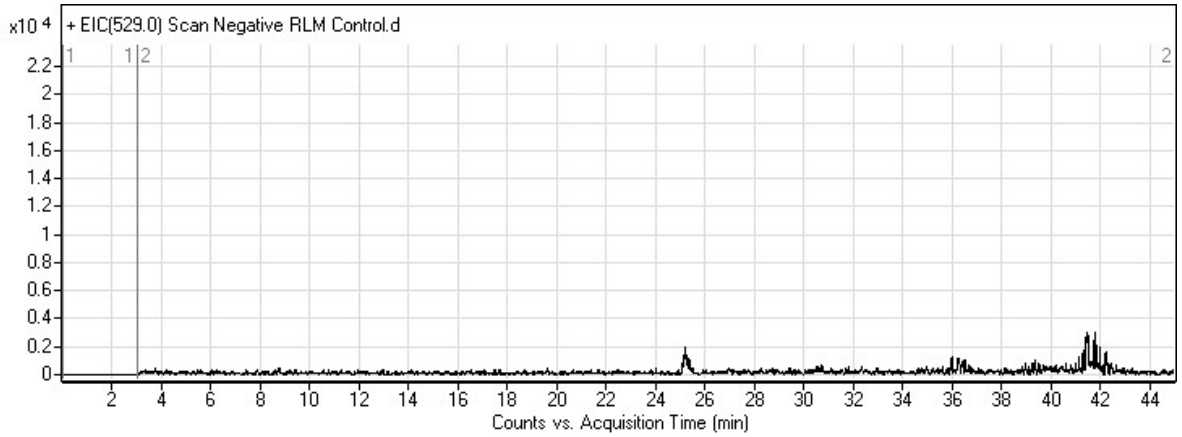

Figure S14: Extracted ion chromatogram of *m/z* 529 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 529 at the retention time of the proposed metabolite.

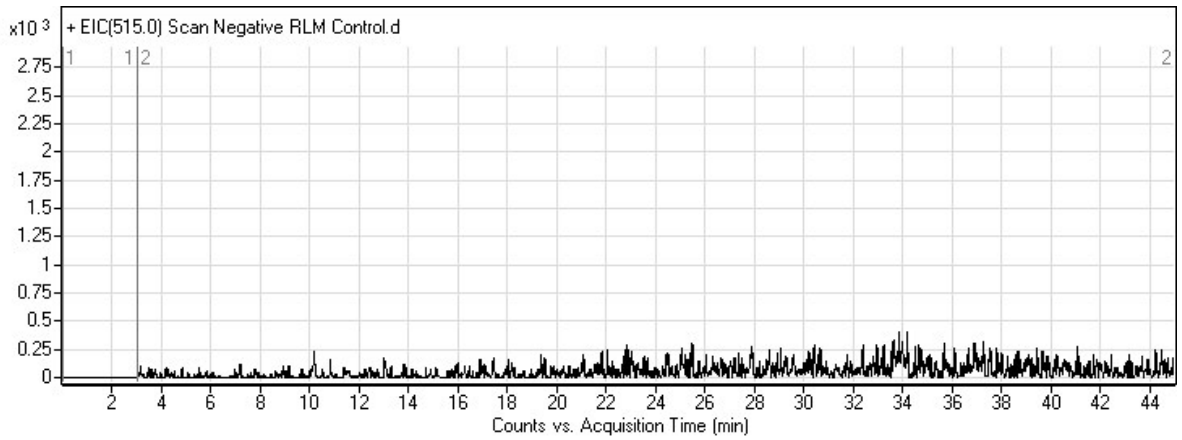

Figure S15: Extracted ion chromatogram of *m/z* 515 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 515 at the retention time of the proposed metabolite.

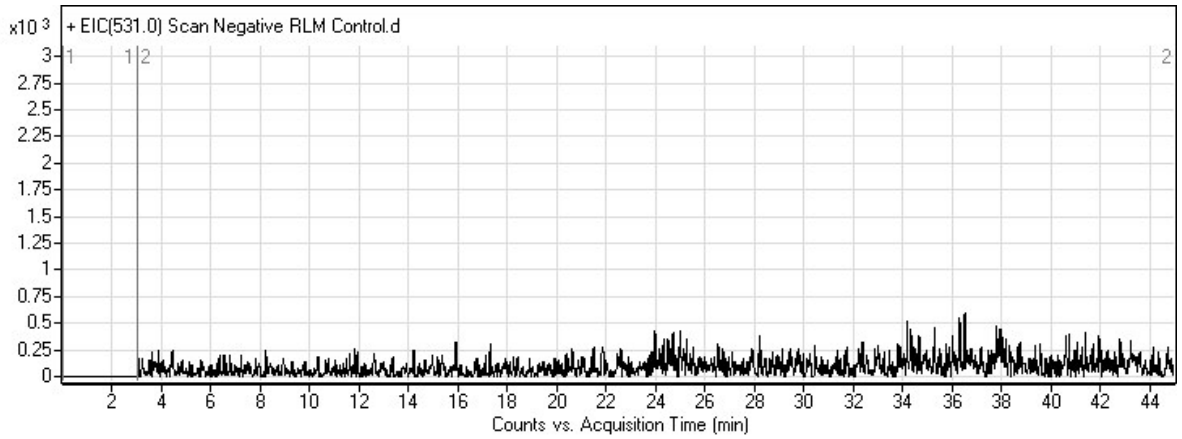

Figure S16: Extracted ion chromatogram of *m/z* 531 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 531 at the retention time of the proposed metabolite.

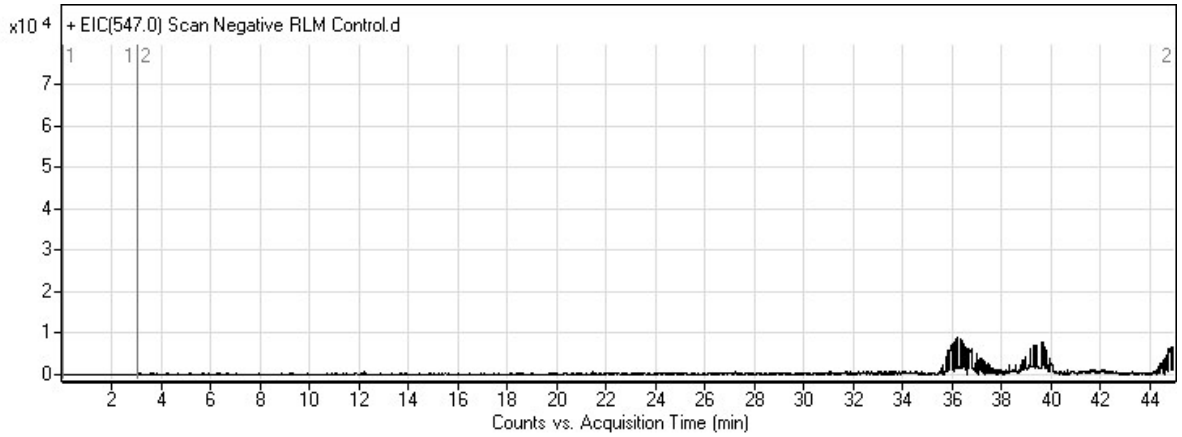

Figure S17: Extracted ion chromatogram of *m/z* 547 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 547 at the retention time of the proposed metabolite.

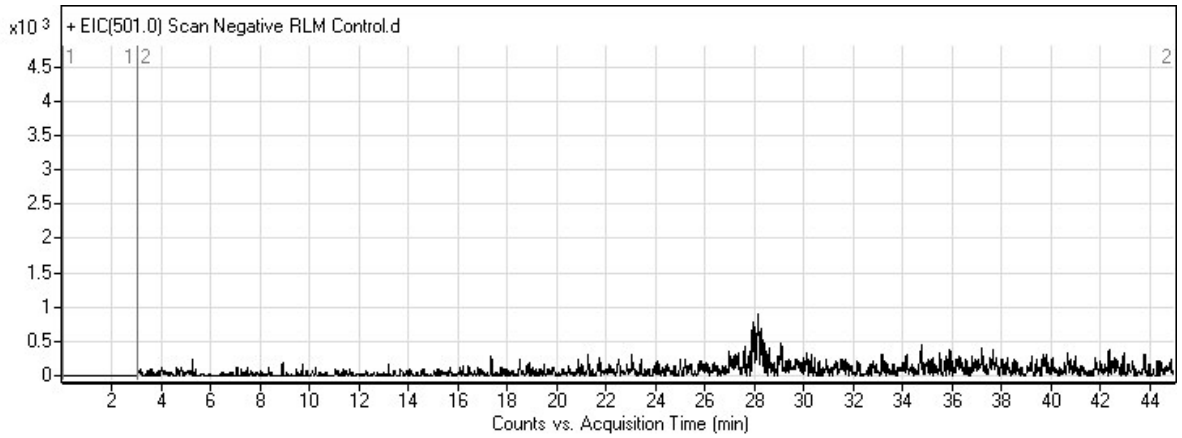

Figure S18: Extracted ion chromatogram of *m/z* 501 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 501 at the retention time of the proposed metabolite.

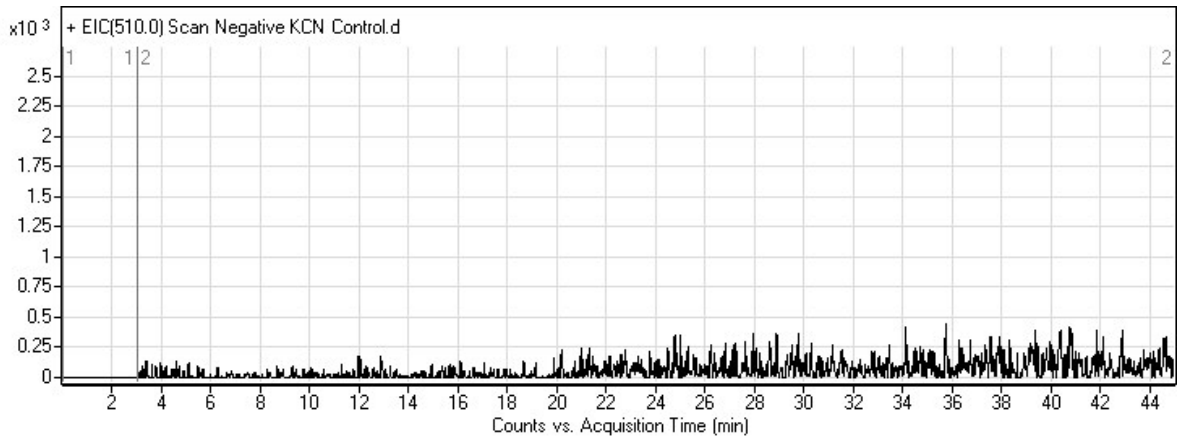

Figure S19: Extracted ion chromatogram of *m/z* 510 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 510 at the retention time of the proposed metabolite.

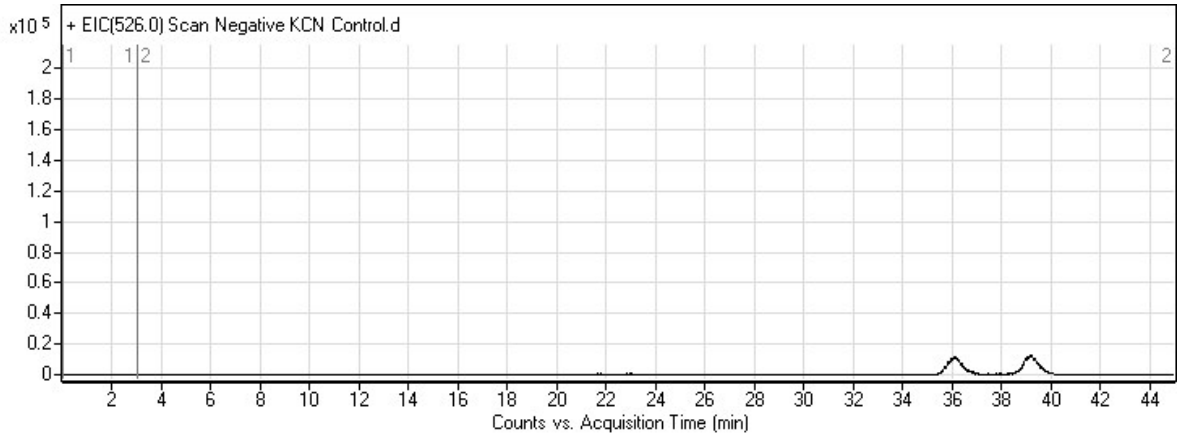

Figure S20: Extracted ion chromatogram of *m/z* 526 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 526 at the retention time of the proposed metabolite.

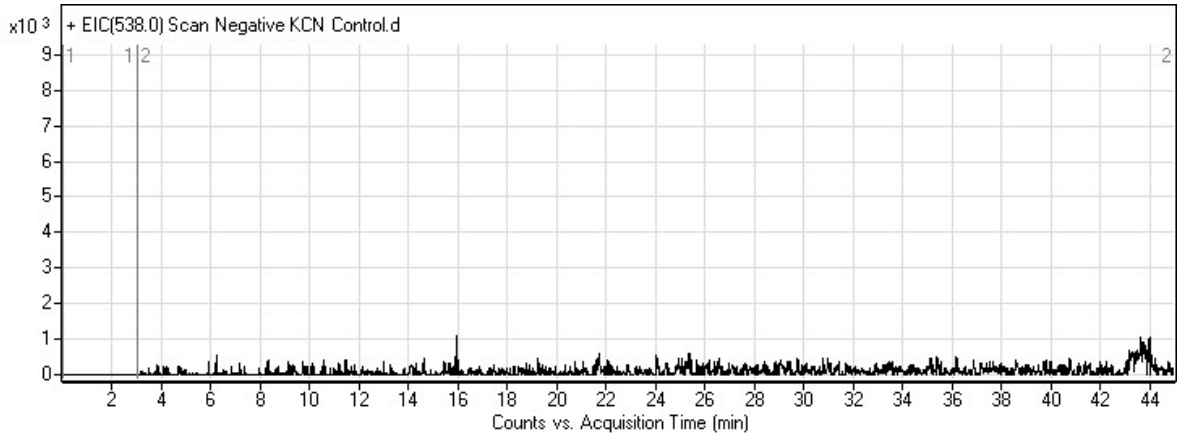

Figure S21: Extracted ion chromatogram of *m/z* 538 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 538 at the retention time of the proposed metabolite.

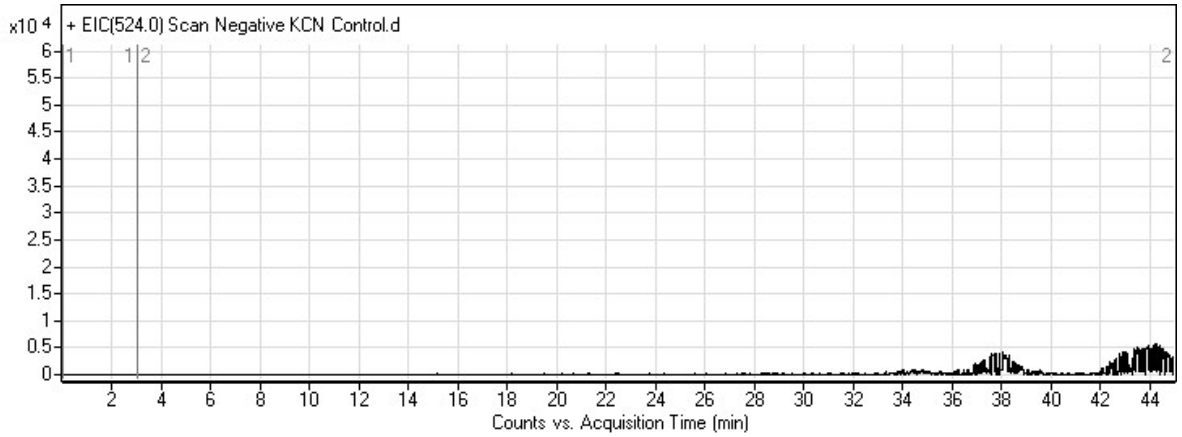

Figure S22: Extracted ion chromatogram of *m/z* 524 of negative control microsomal incubation extract (-Masitinib) injected in the LC-QqQ showing no peaks at *m/z* 524 at the retention time of the proposed metabolite.