

Supplementary Material

Selective-hypoxia inhibition of angiogenesis development by NAMI-A analogues

Maria Oszajca^{a,*}, Guillaume Collet^b, Grażyna Stochel^a, Claudine Kieda^{b,c,*}, Małgorzata Brindell^a

^a Faculty of Chemistry, Jagiellonian University, Ingardena 3, 30-060 Kraków, Poland

^b Centre for Molecular Biophysics, Cell Recognition and Glycobiology, UPR4301-CNRS, rue Charles Sadron, Orléans 45071, France

^c Malopolska Biotechnology Centre, Jagiellonian University, Kraków, Poland

*Corresponding author e-mail address: maria.oszajca@chemia.uj.edu.pl, claudine.kieda@cnrs-orleans.fr

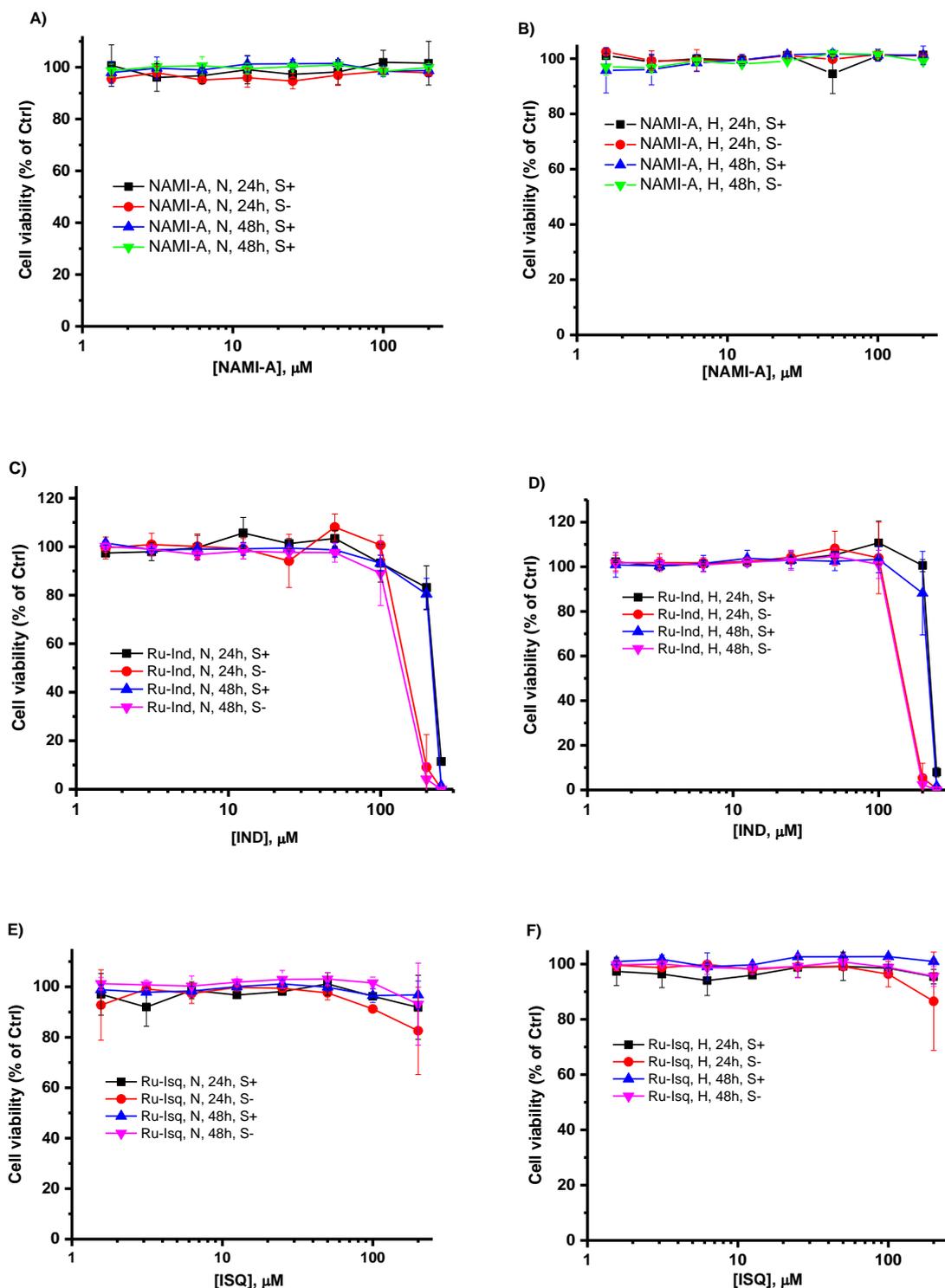


Fig. S1. Cytotoxic effect of studied compounds on HSkEC in A), C) and E) normoxic (N) and B), D) and F) hypoxic (H) conditions, A), B) - NAMI-A - $[\text{H}_2\text{Im}][\text{trans-RuCl}_4(\text{HIm})(\text{DMSO})]$, C), D) - Ru-Ind - $[\text{H}_2\text{Ind}][\text{trans-RuCl}_4(\text{HInd})(\text{DMSO})]$, E), F) - Ru-Isq - $[\text{HIsq}][\text{trans-RuCl}_4(\text{Isq})(\text{DMSO})]$ in medium with serum (S+) and without serum (S-) after 24 h or 48 h of incubation.

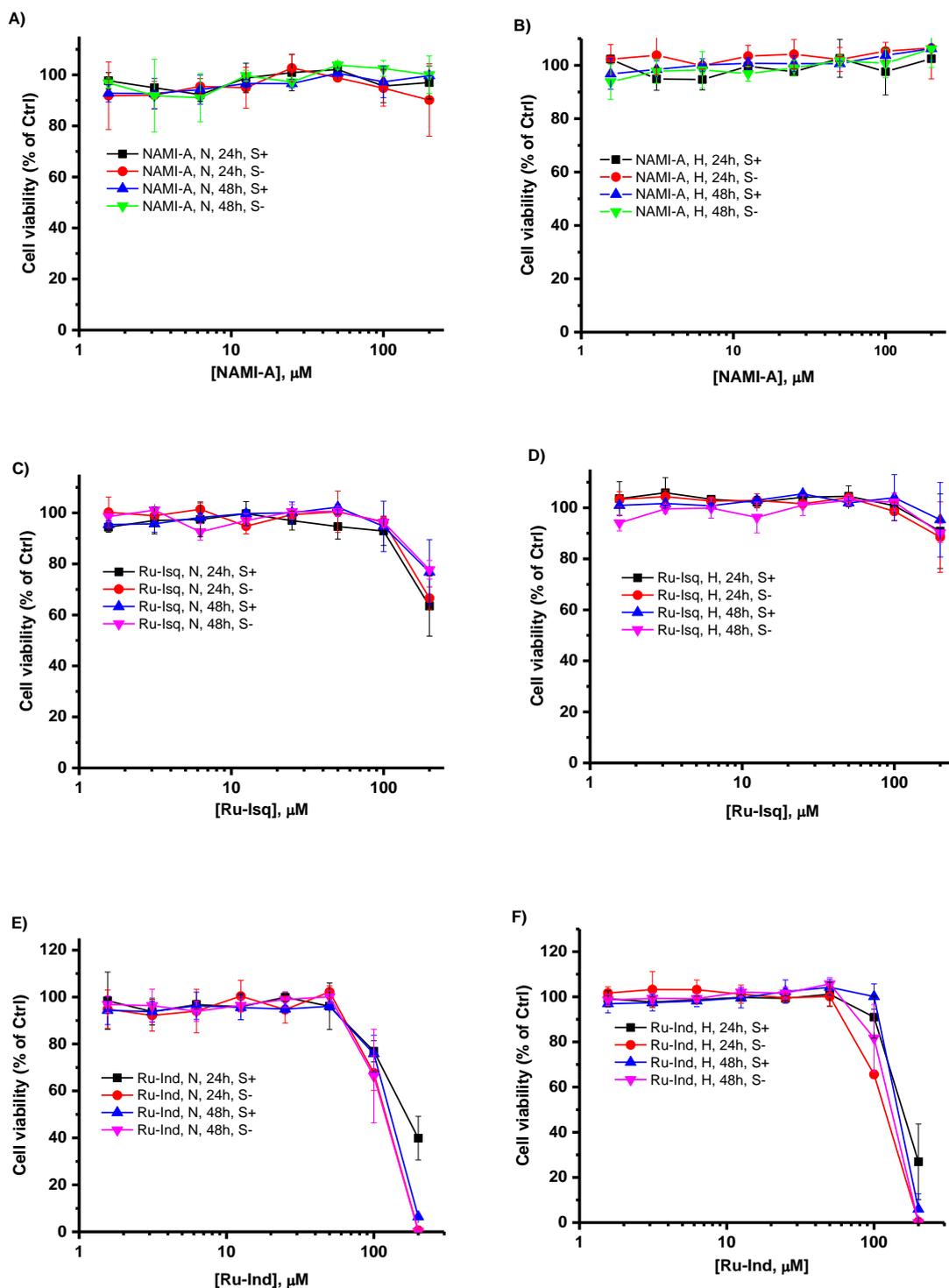


Fig S2. Cytotoxic effect of studied compounds on HPEC-CB.2. in A), C) and E) normoxic (N) and B), D) and F) hypoxic (H) conditions, A), B) - NAMI-A - [H₂Im][*trans*-RuCl₄(HIm)(DMSO)], C), D) - Ru-Isq - [HIsq][*trans*-RuCl₄(Isq)(DMSO)], E), F) - Ru-Ind - [H₂Ind][*trans*-RuCl₄(HInd)(DMSO)] in medium with serum (S+) and without serum (S-) after 24 h or 48 h of incubation.

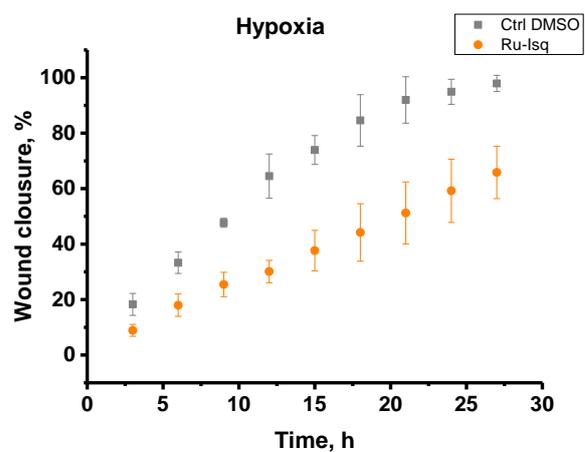
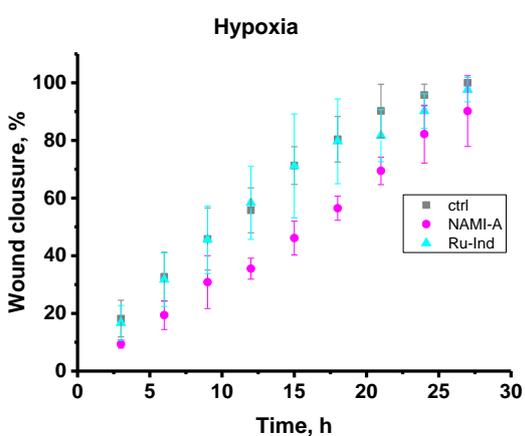
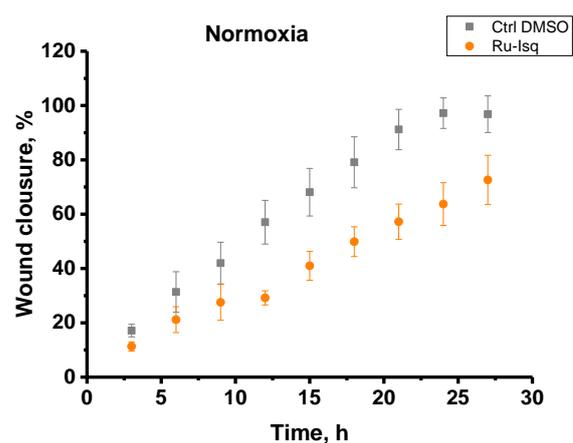
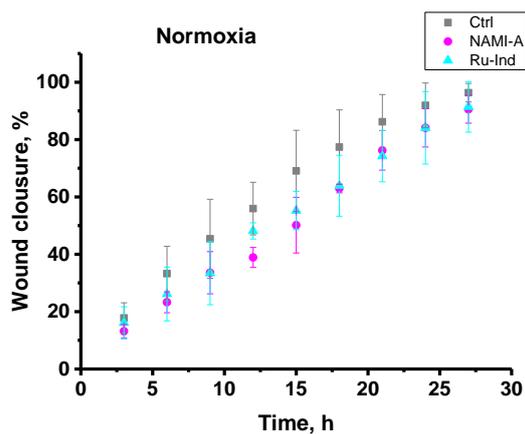


Fig S3. Time dependent effect of studied compounds on HSkMEC migration representing by time vs. confluence function curves. A), C) - NAMI-A - $[\text{H}_2\text{Im}][\text{trans-RuCl}_4(\text{HIm})(\text{DMSO})]$, and Ru-Ind - $[\text{H}_2\text{Ind}][\text{trans-RuCl}_4(\text{HInd})(\text{DMSO})]$; B), D) - Ru-Isq - $[\text{HIsq}][\text{trans-RuCl}_4(\text{Isq})(\text{DMSO})]$.