

Haematologica  
HAEMATOL/2018/190231  
Version 3

Inhibition of protein disulfide isomerase induces differentiation of acute myeloid leukemia cells

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Disclosures: This work was supported by Polish National Science Centre, grant numbers: 2013/10/E/NZ5/00778 (DN), 2014/15/B/ST6/05082 (DP), Foundation for Polish Science (TEAM to DP), Ministry of Science and Higher Education, grant number: IP2011 038971 (DN) and European Commission Horizon 2020 Programme 692180-STREAMH2020-TWINN-2015 (JG).

Contributions: JCh-T and OS performed most of the in vitro work with the help of KB, ZP, KR and MS; PG, PS and RP analyzed RNAseq data; ML and DP performed molecular dynamics and covalent docking of SK053 to human PDI and required bioinformatics analysis; MF, MB, AMal and AMuch assessed SK053 binding to recombinant human PDI; AR-L, MZ, KG, PJ and GWB were responsible for experiments in primary AML blasts; HS-N did fluorescence lifetime measurements; DN and JG conceived the study, coordinated the whole project and wrote the manuscript with the minor help of all authors. All authors accepted the final version of the manuscript.