



# Targeting M2 Macrophages with a Novel NADPH Oxidase Inhibitor

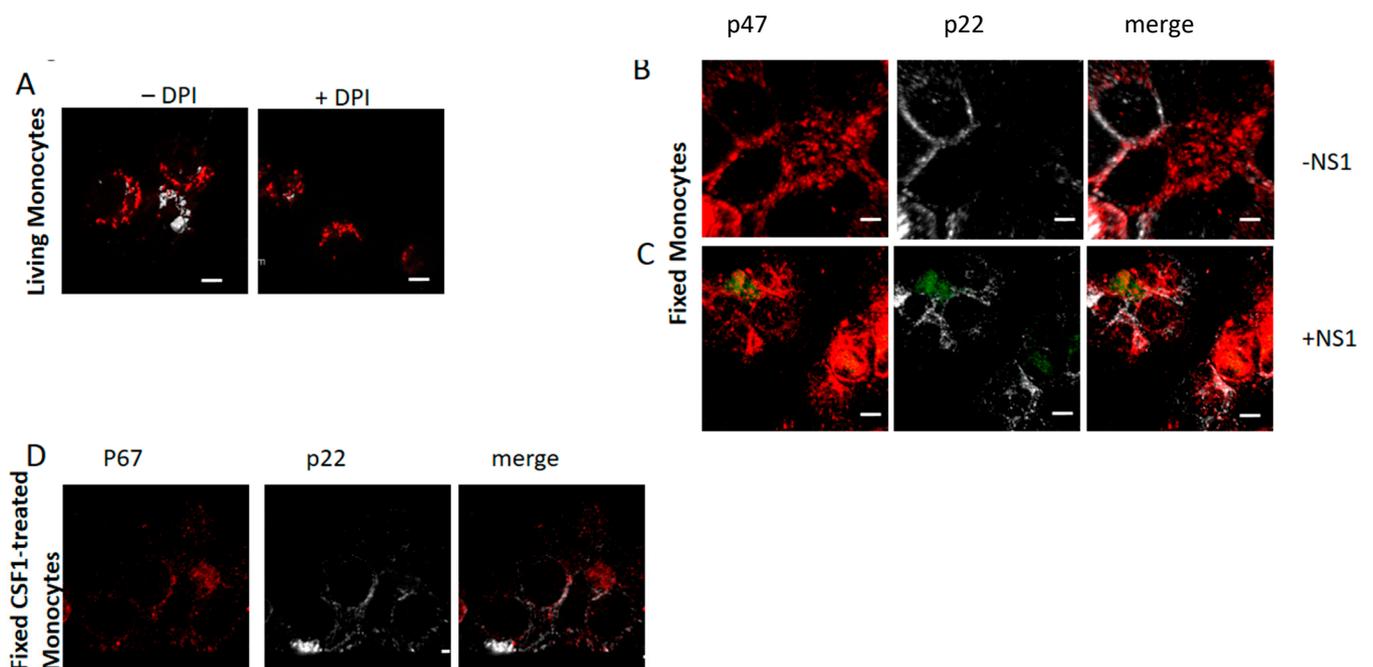
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## Supplementary Material

Supplementary Figure S1: Imaging of -A living and- B, C fixed monocytes and -D of fixed "M2" macrophages.

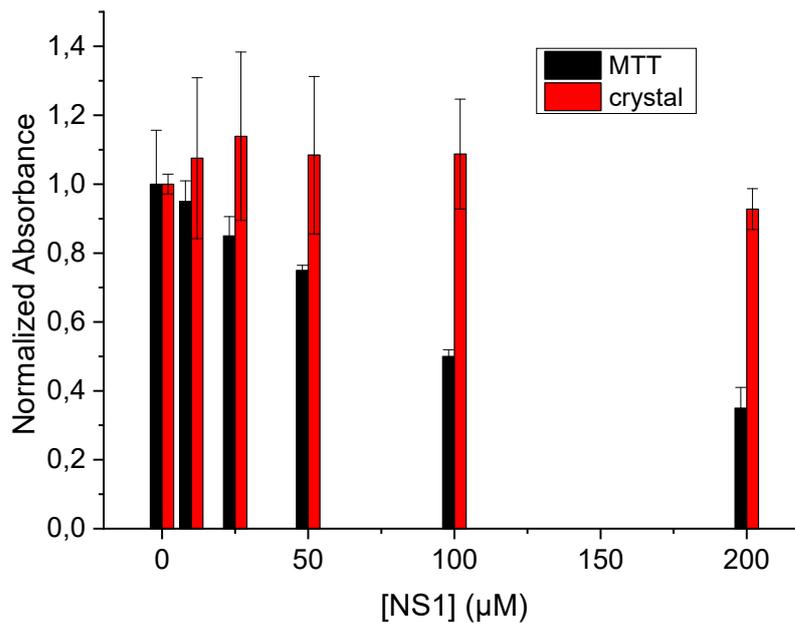
Supplementary Figure S2 : Different dose responses of NS1 on Raw macrophages viability

Supplementary Figure S3 : Comparison of the interactions of NS169 with NOX2 and NOX4:

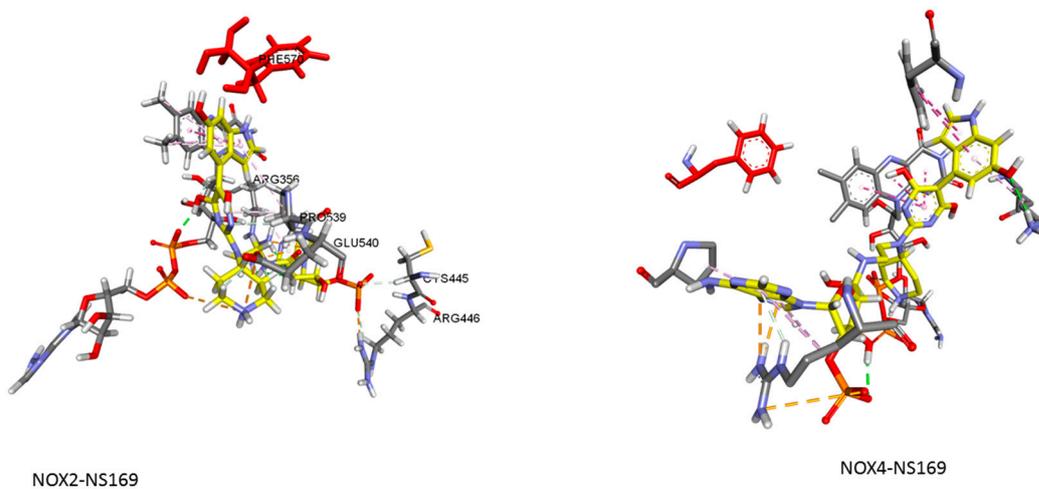


Supplementary Figure S1: Imaging of -A living and- B, C fixed monocytes and -D of fixed "M2" macrophages. A: Effect of the flavin inhibitor DPI on ROS levels shown in grey in living monocytes co-labeled with the red mitotracker; B and C show the co-labeling with p47<sup>phox</sup> and p22<sup>phox</sup> in fixed monocytes without or with NS1 treatment; D: co-labeling of fixed "M2" macrophages with p67<sup>phox</sup> and p22<sup>phox</sup>.

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**Supplementary Figure S2 :** Different dose responses of NS1 on Raw macrophages : cell viability determined by crystal violet and MTT tests



**Supplementary Figure S3 :** Comparison of the interactions of NS169 with NOX2 and NOX4:

Recognition by NS169 of NOX2-specific residues F305, E540 and N569 as compared to S270, K238 and a S267 in NOX4. The insert shows by comparison the partial stacking of NS1 with FAD whereas NS169 has a good stacking with FAD of NOX2, better shown in Figure 7.