

**Supplementary Table 1:** Study procedures and visits.

Time (Days)	Pre	D0 First 24 hours								D1	D2	D3	D5	D7	D10	D12	D14	D28±2	D90±4	
Time (Min)		0	15	60±5	120±10															
Time (hours)				1	2	3±0,5	6±1	12±2	24±4											
Visit		B	0	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII
Inclusion/Exclusion Criteria	X																			
Written Informed Consent	X																			
Pregnancy Test <sup>1</sup>	X																			
Randomization	X																			
Baseline Assessment	X																			
SOFA	X									X	X	X	X	X	X	X	X			
SAPS II / qSOFA	X																			
Clinical parameters	X									X	X	X	X	X	X	X	X			
Routine laboratory	X									X	X	X	X	X	X	X	X			
Treatment parameters on the ICU/IMC	X									X	X	X	X	X	X	X	X			
Application of study drug	X																			
Acute physiology		X	X	X	X	X	X	X	X											
Plasma sampling		X	X	X	X	X	X	X	X		X	X	X	X				X		
PBMC sampling		X					X		X			X		X						
Urine sampling		X							X			X								
Differential Blood Count/Neutrophils/IPF		X							X		X	X	X	X	X	X	X			
Anti-PF4		X												X				X		
AE / SAE			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Echocardiography														X						
Survival																	X	X	X	
SF-36																				X

<sup>1</sup>blood or urine