# Combination of fatty acid synthase (FASN) inhibitor and thyroid hormone receptor beta (THRb) agonist resmetirom shows synergistic improvement of NAFLD activity score (NAS) within 6-weeks in diet-induced obese mice with biopsy-confirmed MASH



## Introduction

- FASCINATE-2 (NCT04906421)<sup>1</sup>
- (inflammasome activation by palmitate)<sup>2</sup>



- reduction and the FASN inhibitor's direct anti-fibrotic effect
- resmetirom on liver histology in biopsy-confirmed MASH mice

Denmark)



### <u>References</u>

(1)https://ir.sagimet.com/news-releases/news-release-details/sagimet-biosciences-announces-positive-topline-results-phase-2b (2)O'Farrell et al., 2022. Scientific Reports. doi.10.1038/s41598-022-19459-z (3)Harrison et al., 2024. N Engl J Med 2024;390:497-509

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### Results

Combination of a FASN inhibitor and a THRb agonist, resmetirom, had a synergistic effect on histological improvement of NAS compared to single agents within 6-weeks in a

These results suggest that the combination of complementary mechanisms of action of denifanstat (directly decreases lipid synthesis, inflammation and fibrosis) and

