

Oral PCSK9 Inhibitor MK-0616

Efficacy and Safety of the Oral PCSK9 Inhibitor MK-0616

Phase 2b, Multicenter, International, Double-Blind, Randomized, Placebo-Controlled Trial

OBJECTIVE: To evaluate the efficacy and safety of MK-0616 (an oral PCSK9 inhibitor) in participants with hypercholesterolemia.



PRIMARY ENDPOINT

PRIMARY ENDPOINT OF PERCENT CHANGE FROM BASELINE IN LDL-C AT WEEK 8 SIGNIFICANTLY REDUCED FOR EACH DOSE OF MK-0616 (6 MG, 12 MG, 18 MG AND 30 MG, RESPECTIVELY) vs. PLACEBO: -41.2%, -55.7%, -59.1% AND -60.9% (P<0.001 FOR ALL).

CONCLUSION

Oral inhibition of PCSK9 with MK-0616 in participants with hypercholesterolemia (mean LDL-C 119.5 mg/dL; 38.6% with clinical ASCVD) led to clinically meaningful reductions in LDL-C superior to placebo. All doses were well tolerated with a low incidence of serious AEs or discontinuation of therapy.

Ballantyne CM, Banka P, Mendez G, et al. Efficacy and Safety of the Oral PCSK9 Inhibitor MK-0616: A Phase 2b Randomized Controlled Trial. *J Am Coll Cardiol 2023*;Mar. 6:[Epub ahead of print].

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