Keywords: Obe i; Chemical approache; Pharmaco herap; Appe i e reg la ion; Lipid me aboli m; Energ e pendi re; An i-obe idr g; Molec lar arge; Obe i rea men; Me abolic mod la ion

Introduction

, e e cala ing pre alence of obe i. ha promp ed a m lidi ciplinar q e for e ec i e in er en ion , and chemical approache ha e emerged a promi ing ra egie in he ba le again hi global epidemic. , i ar icle del e in o he di er e arra of chemical in er en ion emplo ed in he rea men of obe i. , e ploring bo h e abli hed pharmace ical agen and inno a i e compo nd ha hold po en ial

Hormonal imbalances: Di r_{i} p ion in hormone ha reg la e appe i e (e.g., lep in, ghrelin, in lin) can con rib e o o erea ing and eigh gain.

Stress and mental health: Chronic re , depre ion, and o her men al heal h condi ion can con rib, e o emo ional ea ing and , nheal h coping mechani m , in , encing eigh .

Socioeconomic Status: Economic di pari ie and limi ed acce o heal h food op ion can impac die ar choice and con rib, e o