

Drug/Drug Family	Primary Indication	Mechanism of Action	Potential Applications for Aging	Supporting Literature	Extends Lifespan in Mice?	Extends Lifespan in Other Animal Models?	Safe at Therapeutic Doses?	Total Cost of Study
Urolithin A	None (research stage, supplement)	It is a metabolite produced by gut bacteria that is believed to stimulate mitophagy, the process of recycling damaged mitochondria.	Potential benefits on cellular health by improving mitochondrial function could impact lifespan. It has also been shown to effectively induce mitophagy.	1 2 3 4 5 6 7 8 9 10	Yes	Yes (C. elegans)	Yes, approx. 300ppm/daily in food	~\$2500
Phaseolamin (White Kidney Bean Extract)	Weight loss supplement	The active ingredient, phaseolamin, may inhibit the enzyme alpha-amylase, which is responsible for breaking down carbohydrates into sugar.	Potential benefits in weight management and glycemic control could impact lifespan. Possibly mimics health effects of acarbose through a distinct pathway.	1 2 3 4 5	Unknown	Unknown	Yes, approx. 3000 ppm/daily in food	~\$1600
Fenofibrate	Lowering lipid levels	Peroxisome-proliferator-activated receptor α (PPAR α) agonist	Potential benefits in preventing heart deterioration, reducing obesity and fatty liver disease, protecting against renal injury and neurodegeneration, inhibiting cell death in blood vessels, and mitigating diabetic retinopathy.	1 2 3 4 5 6 7 8	Unknown	Yes (C. elegans)	Yes, approx. 180 ppm/daily in food	~\$1500
Midodrine	Symptomatic orthostatic hypotension	Midodrine is a prodrug that is converted to desglymidodrine, its active form, in the body. Desglymidodrine is an agonist of the alpha-1 adrenergic receptors. These receptors are found on the smooth muscles lining blood vessels. When activated, they cause the muscles to contract, which tightens the blood vessels and raises blood pressure.	Improved mitochondrial function, energy production, cardiac function, skeletal muscle metabolism, body weight, and cholesterol levels. Activation of the α 1A adrenergic receptor subtype has been linked to increased lifespan in mice	1 2 3 4	Unknown	Unknown	Yes, approx. 6 ppm/daily in food	~\$2500