

Manage calcium deficiency,

[®]
Caltross[®]

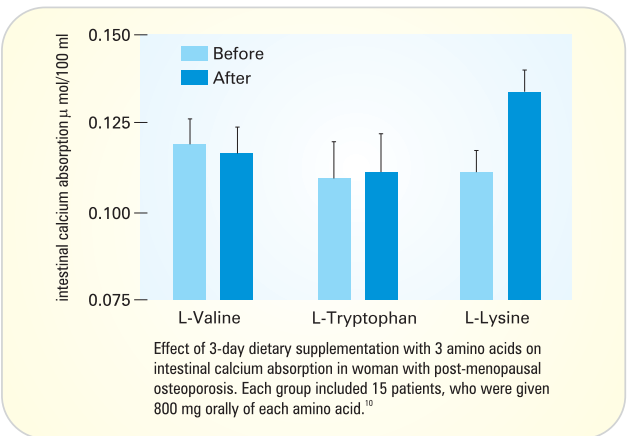
835mg Calcium Lysinate equivalent to elemental Calcium 250mg + Vitamin D3 500 IU

The absorption booster calcium formula

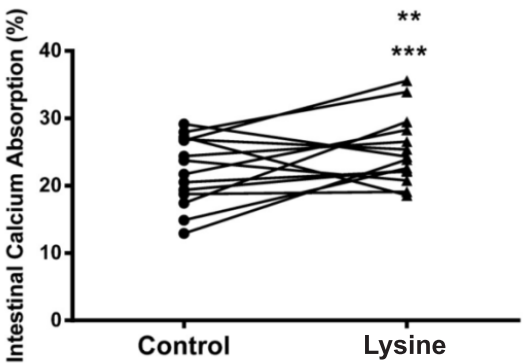
- Chelated amino acid calcium complex
- Higher bioabsorption than conventional calcium salts
- Safe and well tolerated
- Less drug interactions

Unique calcium Amino acid chelate¹

- **Lysine - the calcium absorption enhancer**



Approximately doubles the Calcium compared to other amino acids.



In healthy women, dibasic amino acid like lysine reported increased calcium levels

In osteoporosis, lysine supplementation was reported to increase calcium absorption in individuals with osteoporosis

Added Vitamin D benefit¹ -

Serum calcium levels positively correlates with that of serum Vitamin D levels

References:

1. Jessica D. Bihuniak, Supplementing a Low-Protein Diet with Dibasic Amino Acids Increases Urinary Calcium Excretion in Young Women; J Nutr. 2014 Mar; 144(3): 282–288.
2. Nutr Hosp. 2011 Sep-Oct;26(5):945-51.

Superior bioavailability²

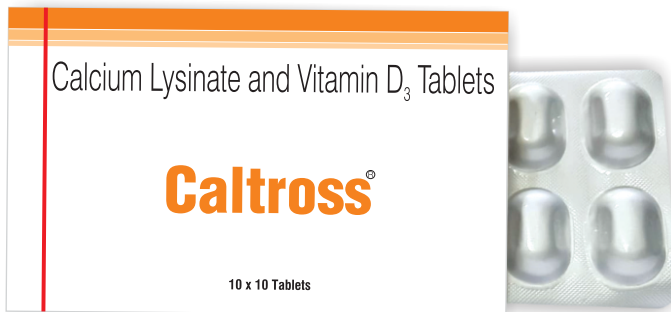
- Lysine forms a soluble chelate with calcium, enabling it to be absorbed through passive diffusion
- Not affected by the acidic pH of stomach
- Survives as an intact molecule giving minimum side effects
- L-Lysine increases the calcium absorption & improves the renal conservation of the absorbed calcium, which suppress calcium excretion.

BIOAVAILABILITY OF DIFFERENT CALCIUM SUPPLEMENTS²

Salt/Complex/Chelate	As a Source	Percentage of Elemental Calcium from the source	Elemental Calcium	Percentage Absorbed from Elemental Calcium	Bioavailable Calcium
Calcium Lysinate (Chelate)	835mg Ca-Lysinate	30%	250 mg	82%	205 Mg Calcium
Calcium Carbonate	1250mg CaCO ₃	40%	500 mg	24%	120 Mg Calcium
Calcium Citrate	1000 mg	21%	210 mg	24%	50 Mg Calcium
Calcium Citrate Malate	1000 Mg	24%	250 mg	40%	100 Mg Calcium

Once or twice a day

- Pregnancy and lactation
- Ostopenia
- Postmenopausal Osteoporosis
- Age related osteoporosis
- Drug induced osteoporosis



CAL