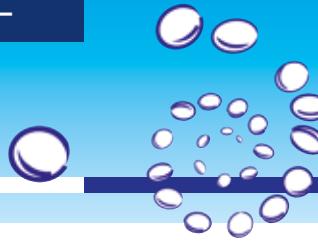


Valin¹⁰⁰ minis



In Short

- Valin¹⁰⁰ minis are a Food for Special Medical Purposes (FSMP) for use in the dietary management of rare metabolic disorders, e.g. Maple Syrup Urine Disease (MSUD), Methylmalonic Aciduria (MMA) or Propionic Aciduria (PA), when supplementation with L-Valine is indicated
- highly concentrated, pressed and coated L-Valine – in tablet form
- easy to swallow – easy application
- neutral in smell and taste
- 100 mg (0,9 mmol) L-Valine per tablet – 100 g tin at 500 tablets

Important Notice Must only be used under medical supervision. Not for use as a sole source of nutrition. For enteral use only. Only for people with rare metabolic disorders, e.g. MSUD, MMA or PA. Valin¹⁰⁰ minis are not suitable for infants in the first year of life.

References:

- De Raeve et al. (1994) Acrodermatitis enteropathica-like cutaneous lesions in organic aciduria; *The Journal of pediatrics* 124(3):416–20. doi: 10.1016/s0022-3476(94)70364-7.
- Lane et al. (2007) Propionic academia manifesting with low isoleucine generalized exfoliative dermatosis; *Pediatric dermatology* 24(5):508–10. doi: 10.1111/j.1525-1470.2007.00505.x.
- Molema et al. (2019) Decreased plasma l-arginine levels in organic acidurias (MMA and PA) and decreased plasma branched-chain amino acid levels in urea cycle disorders as a potential cause of growth retardation: Options for treatment; *Molecular Genetics and Metabolism* 126(4):397-405. doi: 10.1016/j.ymgme.2019.02.003 .Epub 2019 Feb 25.
- van Vliet et al. (2014) Single amino acid supplementation in aminoacidopathies: a systematic review; *Orphanet Journal of Rare Diseases* 9:7. doi: 10.1186/1750-1172-9-7.

Product Profile

Valin¹⁰⁰ minis are highly concentrated L-Valine in tablet form – pressed and coated.

Valin¹⁰⁰ minis allow a tasteless intake of this L-amino acid.

Due to their dosage form they offer a convenient alternative, flexible and easy to take and simple to measure out.

Valin¹⁰⁰ minis are not fortified with micro-nutrients.

Administration

Valin¹⁰⁰ minis should always be taken with a sufficient quantity of liquid. They should be taken along with other food and supplementary to the regular protein supplement – if applicable.

Intake

The tablets should be swallowed unchewed as whole tablets. They should always be taken with a sufficient quantity of liquid. The tablets are not intended to be dissolved in water or other drinks prior to intake and they are not meant to dissolve in the mouth. We recommend to take the tablets in an upright position. The box must be closed tightly after use, also with the inner lid.

Note: The tablets are covered with a tasteless coating. This makes it easy to swallow them. However the layer is very thin. Thus, if the tablets were kept in the mouth for too long, this layer would dissolve and release the typical taste of an amino acid. This is why we recommend the administration above.

Function Valin¹⁰⁰ minis are suitable for prevention or correction of disease related L-Valine deficiencies.

Indication Valin¹⁰⁰ minis are used in the dietary management of rare metabolic disorders, e.g. Maple Syrup Urine Disease (MSUD), Methylmalonic Aciduria (MMA) or Propionic Aciduria (PA), in order to prevent or adjust inadequate serum levels of Valine, caused by the low protein diet. Adequate blood levels of Valine are particularly essential in metabolic crisis in MSUD. They stimulate protein synthesis and help to reduce serum Leucine-concentration.

Furthermore higher concentrations of Valine can help to reduce the elevated influx of L-Leucine into the brain by competitive inhibition at the blood-brain barrier.

Skin lesions and dermatitis, which can be observed occasionally in Maple Syrup Urine Disease, Methylmalonic Aciduria or Propionic Aciduria, are often associated with Valine deficiencies. Supplementation with this amino acid may help to remove these symptoms.

Dosage The daily dosage depends on age, body weight and individual medical condition and is, just as the right time for the daily intake, determined under medical supervision.

Valin¹⁰⁰ minis can easily be combined with the products of the ZeroVIL- or ZeroTVM-system and with Isoleucin¹⁰⁰ minis when indicated.

NUTRITION INFORMATION		
Valin ¹⁰⁰ minis		
	100 g	0,20 g (1 tablet)
Energy	kJ 1365	3
	kcal 323	0,6
Fat	g 1	<0,1
of which saturates	g 1	<0,1
Carbohydrate	g 29	0,06
of which sugars	g 1,8	<0,1
Fibre	g 17	0,03
Protein eqv.	g 42	0,08
of which L-Valine	g 50	0,1
	mmol 0,9	
Salz	g 0	0

INGREDIENTS

L-valine, maltodextrin, bulking agent: microcrystalline cellulose, anti-caking agents: calcium silicate & magnesium stearate & magnesium carbonate & calcium phosphate, glazing agents: E 464 & E 463.

Delivery Unit	tin 500 tablets = 100 g
Article Number	xx-001-31802
Delivery to	Pharmacies, clinics
Storage	Store in a cool, dry place.



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