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Fermagate

National Cancer Institute

Source

National Cancer Institute. *Fermagate*. NCI Thesaurus. Code C81345.

A calcium-free, iron and magnesium hydroxy carbonate and inorganic phosphate binder with phosphate lowering activity. Fermagate is made up of magnesium and ferric iron atoms held in an insoluble, rigid, crystalline-layered structure, with carbonate groups lying between the layers. Upon oral administration, the carbonate ions in fermagate are exchanged for free phosphate ions released from food in the gastrointestinal tract; thereby, strongly binding phosphate. This inhibits phosphate uptake, lowers phosphate plasma levels and preventing hyperphosphatemia.