



FOBATE-XT

"We take care of your **MOTHER**"

A Product of Surgeway Biosciences



About Surgeway Biosciences

- ▶ SurgeWay Biosciences is a pharma export house with an increasing presence in many countries.
- ▶ The company is part of a larger group which has been in the Pharmaceutical Industry for the past **36 years/since 1984.**

Our Niche Product Portfolio

- Unique Food Supplements
- US-FDA Medical Devices
- Patented Herbal Products
- Specialized Drugs

COMPOSITION

► Each film coated tablet contains:

Ferrous Ascorbate

Equivalent to Elemental Iron

100 mg

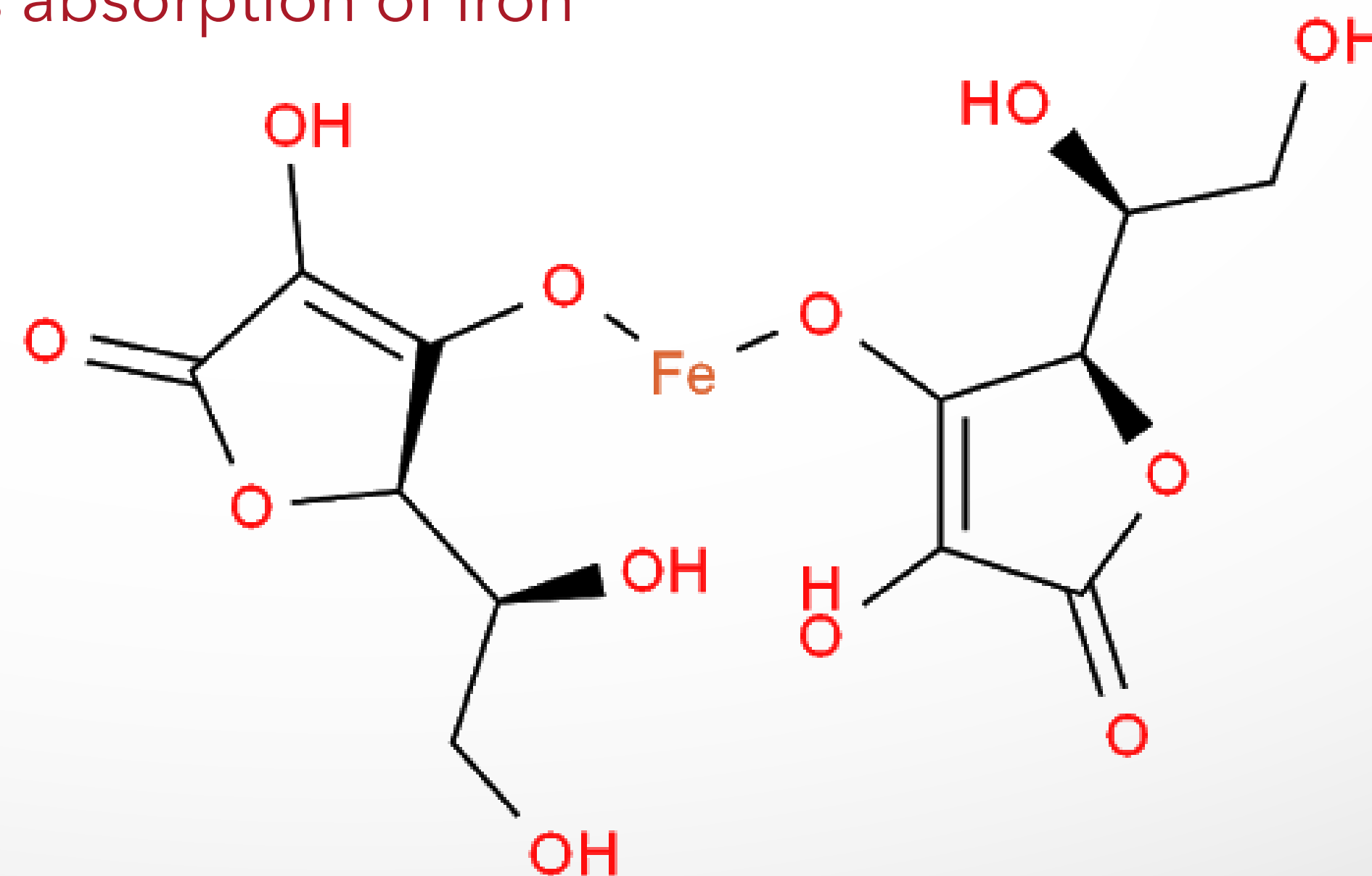
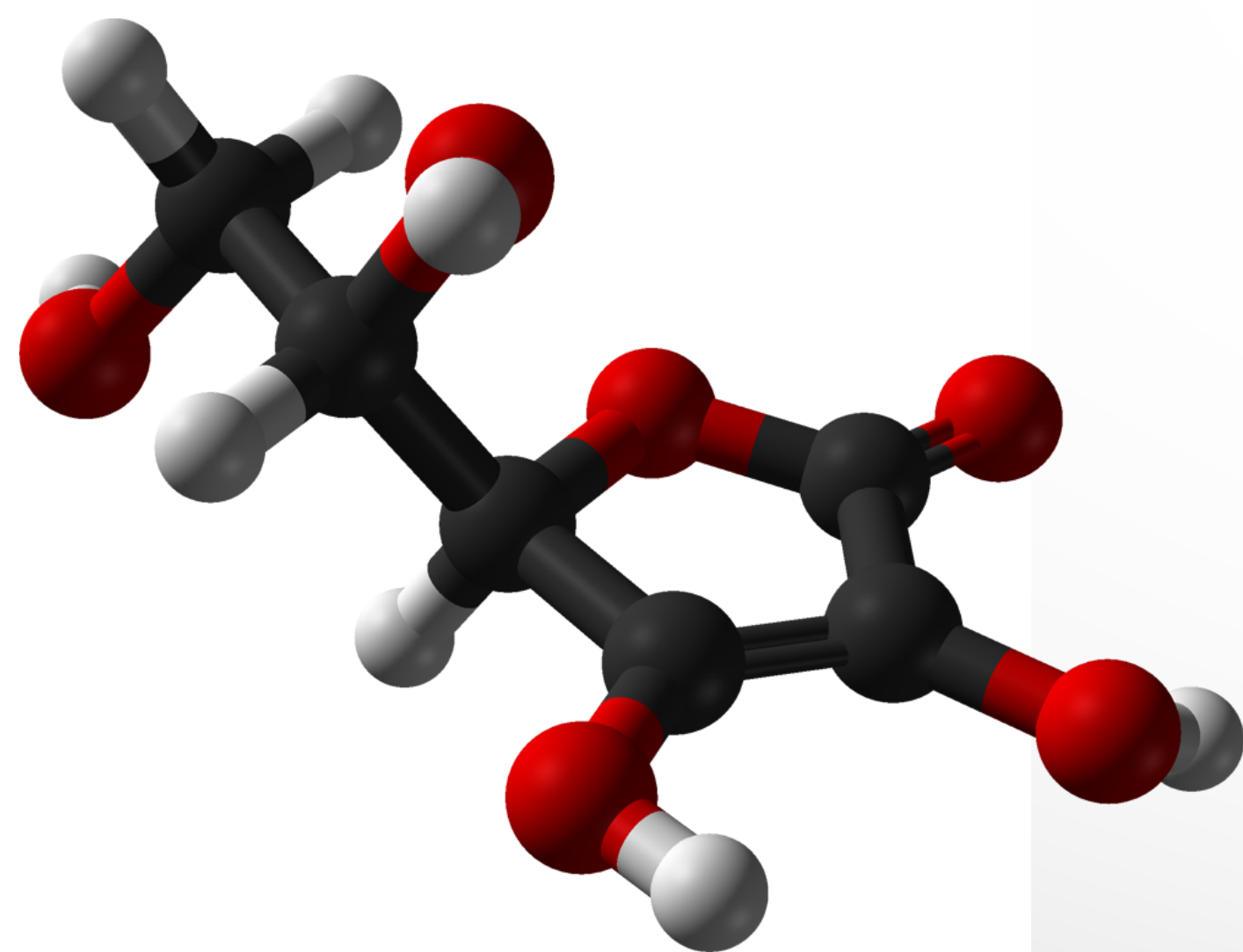
Folic Acid

B.P.

1.5 mg

FERROUS ASCORBATE

- ▶ It is a synthetic molecule of ascorbic acid and iron
- ▶ It is indicated in the treatment of iron deficiency anemia
- ▶ Ascorbic acid enhances absorption of iron



FOLIC ACID

- ▶ Folic acid is also known as Folate and Vitamin B9
- ▶ It is essential to aid and promote numerous bodily functions
- ▶ The human body needs folate to synthesize DNA, repair DNA, and methylate DNA, as well as to act as a cofactor in certain biological reactions
- ▶ It is essentially important in aiding rapid cell division and growth, such as in infancy and pregnancy
- ▶ Children and adults both require folic acid to produce healthy red blood cells and prevent anaemia

Indications of **FOBATE- XT** include the following:

- ▶ **Anaemia:** Anaemia is caused due to insufficient amount of haemoglobin or low count of red blood cells in one's body. If the red blood cell count is low, then the body tissues do not get enough oxygen leading to lack of energy. **FOBATE-XT** helps boost the production of red blood cells and brings it to a normal level
- ▶ **Childhood anaemia:** **FOBATE-XT** is prescribed as a health supplement to counter childhood anaemia. Some forms of anaemia are hereditary and occur in children that require medical attention
- ▶ **Folic acid deficiency:** **FOBATE-XT** is prescribed to individuals with folic acid deficiency



- ▶ **Iron deficiency:** **FOBATE-XT** is also prescribed as a health supplement to individuals with iron deficiency
- ▶ **Lack of nutrition:** **FOBATE-XT** can be taken by individuals who do not consume a wholesome diet and may lack vital nutrients in their body
- ▶ **Megaloblastic anaemia:** It is caused due to the abnormal distribution of red blood cells. **FOBATE-XT** helps increase sufficient amount of folic acid
- ▶ **Pregnancy :** **FOBATE-XT** is prescribed as a health supplement to pregnant individuals to produce more blood that can help the baby grow normally



How **FOBATE-XT** Works?

- ▶ **FOBATE-XT** provides elemental iron, which helps in restoring iron deficiency, which leads to the faster repairing of tissue and anaemia
- ▶ The active ingredient of the drug is folic acid, which is the most important determinant in the production of red blood cell and maturation
- ▶ Folic acid is biochemically inactive, which is converted into methyltetrahydrofolate and Tetrahydrofolic acid by dihydrofolate reductase
- ▶ Vitamin B12 can be used as cofactor where folic acid helps normalize the high homocysteine levels



USP's

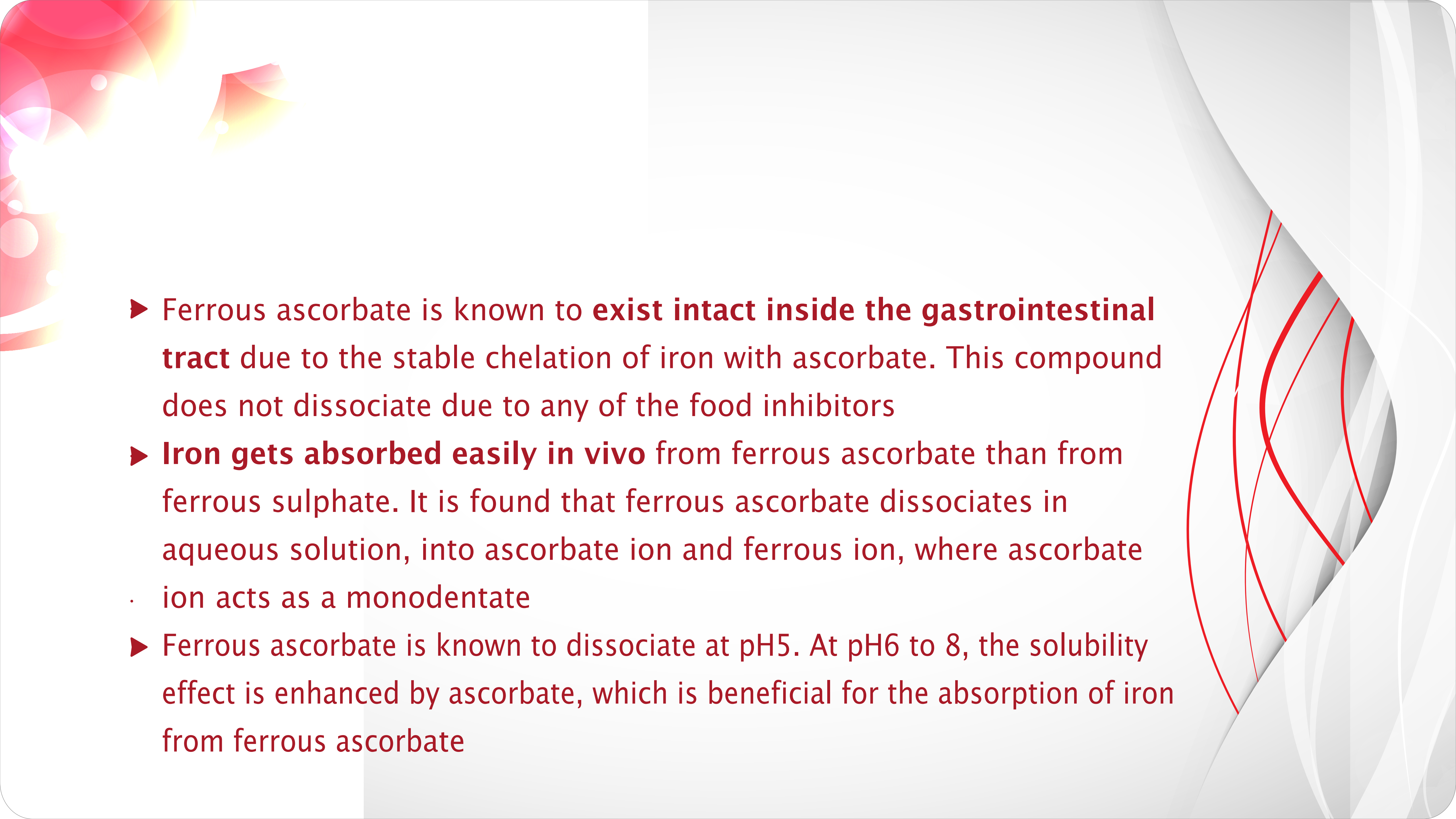
- ▶ Ferrous Ascorbate is the world's most widely recognized reference iron
- ▶ Designed for Better Performance
- ▶ Enhanced Iron Absorption
- ▶ Faster haemoglobin rise
- ▶ Devoid of the side effects of conventional iron
- ▶ Taking a ferrous ascorbate and folic acid tablet, would help the mother to avoid having an anaemia sickness during pregnancy, and in addition to that it also boosts the immune system of the mother and the baby

It comes with a shelf life of 3 years

ADVANTAGES OF FERROUS ASCORBATE OVER CONVENTIONAL IRON THERAPY

(like ferrous sulphate/ fumarate and gluconate)

- ▶ Ferrous ascorbate has an advantage of providing both ferrous ion and ascorbate in the same compound
- ▶ Ferrous ascorbate results from the reaction of ascorbic acid with iron. Iron is absorbed very well in the presence of ascorbic acid, as this compound is known to convert ferric iron into ferrous iron
- ▶ Ferrous form of iron is soluble at neutral pH and can be absorbed three times higher than the ferric form. Oxidation is prevented by Ascorbic acid, which can act as a reducing agent, as well as help in maintaining the iron in ferrous form

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- ▶ Ferrous ascorbate is known to **exist intact inside the gastrointestinal tract** due to the stable chelation of iron with ascorbate. This compound does not dissociate due to any of the food inhibitors
 - ▶ **Iron gets absorbed easily in vivo** from ferrous ascorbate than from ferrous sulphate. It is found that ferrous ascorbate dissociates in aqueous solution, into ascorbate ion and ferrous ion, where ascorbate ion acts as a monodentate
 - ▶ Ferrous ascorbate is known to dissociate at pH5. At pH6 to 8, the solubility effect is enhanced by ascorbate, which is beneficial for the absorption of iron from ferrous ascorbate

Dosage of FOBATE-XT:

- It has to be taken once or twice a day, or as directed by the physician
- It should be taken after a meal
- Patients with liver or kidney disease should consult the doctor
- In children, it should be given as per the doctor's prescription



Some of the side effects of any iron supplement (including FOBATE-XT) are:

- Bitter or bad taste
- Constipation
- Dark stool
- Gastrointestinal discomfort
- Irritability
- Nausea
- Pain in upper central abdomen
- Vomiting

However, these side-effects are usually temporary for products containing Ferrous Ascorbate and may disappear as your body adjusts to this medication.

THANK YOU FOR YOUR TIME!
For more Information:

Please get in touch with:

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