

Piperine Iron Conjugate

Salient features

- Technology for the preparation of piperine-iron conjugate.
- Conjugation of more than 50% of the iron with piperine.
- Increased bioavailability of iron through piperine iron conjugate
- Scale up process for piperine iron tablets.

Advantages

- ✓ Iron orally administered with piperine would enhance absorption of iron in the body.
- ✓ Great potential in enhancing iron absorption in the body consequently mitigating iron deficiency anemia in Indian population.



Soxhlet apparatus



Crude extract



Piperine crystals

Process Technology / product developed by

Dr. Aruna Lakshmi Komarraju, Department of Biotechnology
GITAM Institute of Technology, GITAM University, Visakhapatnam, Andhra Pradesh
E mail: ravikomarraju@rediffmail.com, arunalakshmi57@gmail.com, registrar@gitam.edu,
director_ugcaffairs@gitam.edu, chrk2020@gmail.com

Dr. R. Satyanarayana, Department of Biotechnology

Dr. Umadevi Parimi, Department of Chemistry, GITAM Institute of Science, GITAM University, Visakhapatnam, Andhra Pradesh

Year

2012-13

Source of funding

MoFPI

More information

Status of commercialization / Patent / Publication

NA