Abstract

To study the effect of a drug on a target tissue, mainly all process of drug delivery from drug delivery systems to the transferred drug in whole body must be considered. These studies are very attractive for different fields of drug delivery systems and pharmaceutical industry. Modeling can help us for better understanding of this process and reaching to better design of system. In this paper, we extract the rules of drug delivery by decision tree for a specific systems such as Matrix substrate. The results show that we can achieve to %98.04 and %74.51 accuracy, if we use decision tree as a classifier and a predictor respectively.

References

Knowledge Discovery by Decision Tree to Model the Rate of Drug Release from Matrix Substrates

552-562.


Index Terms

Computer Science
Information Sciences

Keywords

Drug Release, Modeling, Decision Tree, Matrix Substrates