Effects of apple polyphenols on modulation of detoxifying enzyme systems as biomarkers of chemoprevention in human colon cells

Dissertation
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ABBREVIATIONS

1. PREFACE

1.1 Diet and colon cancer

1.1.1 Genetics of colorectal cancer

1.1.2 Overview of molecular alterations in human colorectal cancer

1.1.3 Chemoprevention of cancer and mechanisms involved

1.2 Fruits, vegetables and colon cancer prevention

1.2.1 Polyphenols and their biological impact

1.2.2 Apple polyphenols and their biological activities

1.2.3 Metabolism and bioavailability of polyphenols

1.3 Biotransformation systems in humans

1.3.1 Glutathione S-transferases (GSTs)

1.3.2 UDP-glucuronyltransferases (UGTs)

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