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Metabolic transformations of dietary polyphenols: comparison between *in vitro* colonic and hepatic models and *in vivo* urinary metabolites

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Short title: Metabolic transformations of dietary polyphenols

Chemical compounds studied in this article: 3,4-dimethoxybenzoic acid (PubChem CID: 7121); 3,4-dihydroxybenzoic acid (PubChem CID: 72); 2-(3´,4´-dihydroxyphenyl)acetic acid (PubChem CID: 547); 3-(3´,4´-dihydroxyphenyl)propionic acid (PubChem CID: 348154); 3,5-dihydroxybenzoic acid (PubChem CID: 7424); 3-hydroxybenzoic acid (PubChem CID: 7420); 4-hydroxybenzoic acid (PubChem CID: 135); 4-methylcatechol (PubChem CID: 9958); Benzoic acid (PubChem CID: 243); Gallic acid (PubChem CID: 370), Ferulic acid (PubChem CID: 445858); Sinapic acid (PubChem CID: 637775); Caffeic acid (PubChem CID: 689043); 4-coumaric acid (PubChem CID: 637542); Enterodiol (PubChem CID: 115089); Vanillic acid (PubChem CID: 8468); Hippuric acid (PubChem CID: 464).

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