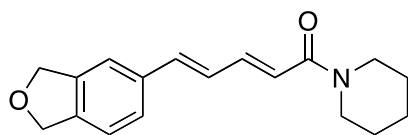


## Piperine



Piperine

【化合物】 Piperine

【測定機器】 HPLC

【対象】 動物（ラット）

【代謝実験】 Separate sets of animals (150 - 160 g) were orally administered the three spice principles at dosages of 30 mg (capsaicin), 170 mg (piperine) and 500 mg (curcumin) / kg body weight. The tissue concentrations of administered spice compounds were determined by HPLC. A maximum of 10.8 per cent of administered piperine was seen in tissues at 6 h. Absorption of the administered piperine was about 96 per cent. Piperine was not detectable in urine. [Suresh et al., *Indian J Med Res* **131**, 682-691 (2010)]

【参考文献】

D. Suresh, K. Srinivasan, Studies on the in vitro absorption of spice principles –curcumin, capsaicin and piperine in rat intestines. *Food and Chemical Toxicology* **45**: 1437–1442 (2007).

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