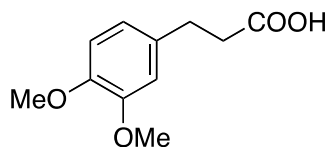


### 3,4-Dimethoxydihydrocinnamic acid



### 3,4-Dimethoxydihydrocinnamic acid

【化合物】 3,4-Dimethoxydihydrocinnamic acid; 3-(3,4-Dimethoxyphenyl)-propanoic acid

【測定機器】 LC-MS

【対象】 動物（ヒト）

【代謝実験】 コーヒーを飲んだ後の血清中の dimethoxycinnamic acid 関連化合物の分析: By using an LC-MS method, 3,4-dimethoxycinnamic and 3,4-dimethoxydihydrocinnamic acids were detected in human plasma after treatment with an esterase. 3,4-Dimethoxycinnamic acid was present in high abundance (~380 nM at 60 min) in plasma upon coffee intake. [Nagy et al., *Journal of Chromatography A*, **1218**: 491–497 (2011)]

【参考文献】

Korneél Nagy, Karine Redeuil, Gary Williamson, Serge Rezzi, Fabiola Dionisi, Karin Longet, Frédéric Destailats, Mathieu Renouf, First identification of dimethoxycinnamic acids in human plasma after coffee intake by liquid chromatography–mass spectrometry. *Journal of Chromatography A*, **1218**: 491–497 (2011).