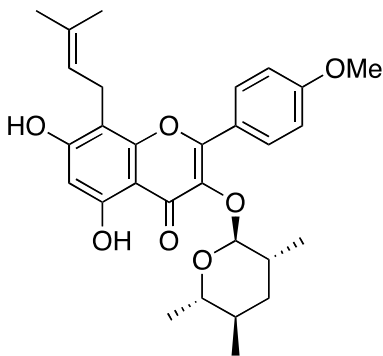


Icariside II



Icariside II

- 【化合物】 Icariside II
- 【測定機器】 LC-MS/MS
- 【対象】 動物（ラット）
- 【代謝実験】

- ① Rats (n=6) received an intragastric administration of 50 mg/kg icariin. [Xu et al., *Journal of Pharmaceutical and Biomedical Analysis* **45**: 667–672 (2007)]
- ② 処方 Gushudan (Herba Epimedii, Fructus Cnidii, Rhizoma Drynariae and Radix Salviae Miltiorrhizae) extract の代謝 [Liu et al., *Journal of Chromatography B*, **860**: 113–120 (2007)]

【代謝パラメータ】

	Icariin	Icariside I	Icarside II
$C_{\max}$ (ng/ml)	162.4 ± 42.8	9.6 ± 2.8	137.8 ± 46.1
$t_{\max}$ (h)	1.12 ± 0.31	0.96 ± 0.29	0.67 ± 0.20
K_e (1/h)	0.36 ± 0.10	0.36 ± 0.05	0.21 ± 0.04
$t_{1/2}$ (h)	2.08 ± 0.73	1.95 ± 0.25	3.42 ± 0.66
AUC_{0-t} (ng h ² /ml)	524.6 ± 132.5	30.8 ± 6.2	415.6 ± 171.9
$AUC_{0-\infty}$ (ng h/ml)	532.7 ± 132.2	31.3 ± 6.2	457.5 ± 195.8

Pharmacokinetic parameters of icariin, icariside I and icariside II after intragastric administration of icariin to six rats at a dose of 50 mg/kg (mean $\pm$ SD).

[Xu et al., *Journal of Pharmaceutical and Biomedical Analysis* **45**: 667–672 (2007)]

	Icariin	Icariside II	Osthole
$C_{\max}$ (ng/ml)	102 $\pm$ 64	46.3 $\pm$ 33.2	672 $\pm$ 247
$t_{\max}$ (h)	0.16 $\pm$ 0.04	0.24 $\pm$ 0.03	0.70 $\pm$ 0.07
K_e (1/h)	2.64 $\pm$ 0.86	2.81 $\pm$ 1.22	0.16 $\pm$ 0.06
$t_{1/2}$ (h)	0.28 $\pm$ 0.09	0.28 $\pm$ 0.10	4.83 $\pm$ 1.78
$AUC_{0-\infty}$ (ng h/ml)	23.2 $\pm$ 5.8	16.3 $\pm$ 11.9	1810 $\pm$ 873

Pharmacokinetic parameters of icariin, icariside II and osthole in rats after oral administration of Gushudan (Herba Epimedii, Fructus Cnidii, Rhizoma Drynariae and Radix Salviae Miltiorrhizae) extract (n=6). Mean $\pm$ SD.

[Liu et al., *Journal of Chromatography B*, **860**: 113–120 (2007)]

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