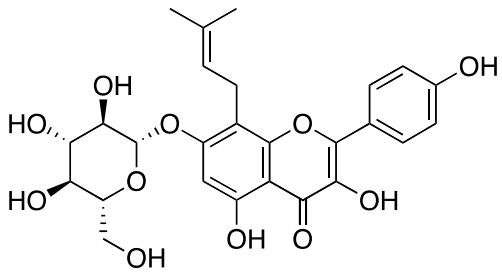
Icariside I



Icariside I

【化合物】Icariside I

【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)]

【代謝バラメータ】

	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
$AUC_{0\text{-}t}$ (ng h²/ml)	524.6±132.5	30.8±6.2	415.6±171.9
$AUC_{0\text{-}\infty}$ (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

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

	Icariin	Icariside II	Osthole
C_{max} (ng/ml)	102±64	46.3±33.2	672±247
t_{max} (h)	0.16±0.04	0.24±0.03	0.70±0.07
K_e (1/h)	2.64±0.86	2.81±1.22	0.16±0.06
$t_{1/2}$ (h)	0.28±0.09	0.28±0.10	4.83±1.78
$AUC_{0-\infty}$ (ng h/ml)	23.2±5.8	16.3±11.9	1810±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±SD.
[Liu et al., *Journal of Chromatography B*, **860**: 113–120 (2007)]

【参考文献】

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