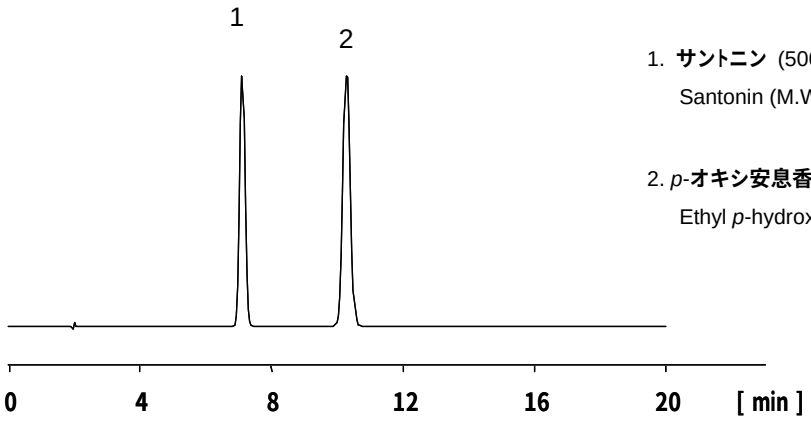
サントニン　　Santonin

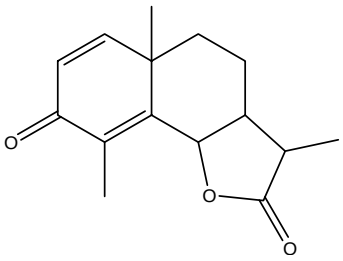
日本薬局方におけるカラム選定条件は，「サントニン，内標準物質の順に溶出し，その分離度が 2.5 **以上あるものを用いる」と定められています．**CAPCELL PAK C_{18} MGII **では分離度** 8.8 **と良好な分離が得られました．**

The Japanese Pharmacopoeia requires a column to elute compounds in the order of santonin and its internal standard, with a resolution value of 2.5 or greater between the two compounds. CAPCELL PAK C_{18} MGII showed a resolution of 8.8.

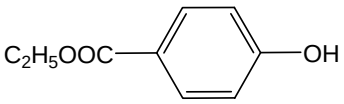


1. **サントニン** (500 μg/mL)
   Santonin (M.W. 246.3)

2. *p*-**オキシ安息香酸エチル** (I.S.) (300 μg/mL)
   Ethyl *p*-hydroxybenzoate (I.S.) (M.W. 166.2)



1. Santonin



2. Ethyl *p*-hydroxybenzoate

【HPLC Conditions】

Column	：	CAPCELL PAK C_{18} MGII S5 ; 4.6 mm i.d. x 150 mm
Mobile phase	：	H_2O / CH_3OH = 50 / 50
Flow rate	：	0.9 mL/min
Temperature	：	25 ˚C
Detection	：	UV 254 nm
Inj. vol.	：	1 μL
Sample dissolved in	：	5 mL of santonin solution (1 mg/mL in methanol) and 3 mL of ethyl *p*-hydroxybenzoate (1 mg/mL in ethanol) were mixed together, and diluted to 10 mL with ethanol.

※ 1 μg/mL = 1 ppm