



1	オキサミル Oxamyl	2	メチオカルブ - スルホキシド Methiocarb Sulfoxide	3	メチオカルブ - スルホン Methiocarb Sulfone
4	アルジカルブ Aldicarb	5	ベンダイオカルブ Bendiocarb	6	カルバリル Carbaryl
7	エチオフェンカルブ Ethiofencarb	8	イソプロカルブ Isoproc carb	9	フェノカルブ Phenocarb
10	メチオカルブ Methiocarb				

## HPLC Conditions

Column	CAPCELL PAK C <sub>18</sub> MG S5 : 2.0 mm i.d. × 150 mm					
Mobile phase	(A) H <sub>2</sub> O (B) CH <sub>3</sub> OH (C) CH <sub>3</sub> CN	B 12%(0min)	12% (1.0min)	16% (1.1min)	16% (13min)	22% (15min)
		22% (37min)	12% (39min)	12% (45min)	Gradient	
	C 0%(0min)	0% (1.0min)	16% (1.1min)	16% (13min)	22% (15min)	
		22% (37min)	0% (39min)	0% (45min)	Gradient	
Flow rate	200 μL/min					
Temperature	40					
Hydrolysis reagent	0.05mol/L NaOH					

Reactor temperature	80
Flow rate of Hydrolysis reagent	100 $\mu$ L/min
Reaction reagent	{100mg OPA, 10mL CH <sub>3</sub> OH, 50 $\mu$ L 2-Mercaptoethanol} / 1L 50mmol/L Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>
Reactor temperature	30
Flow rate of Reaction reagent	100 $\mu$ L/min
Detect	FL Ex. 340 nm, Em. 445 nm
Inj. vol.	4 $\mu$ L