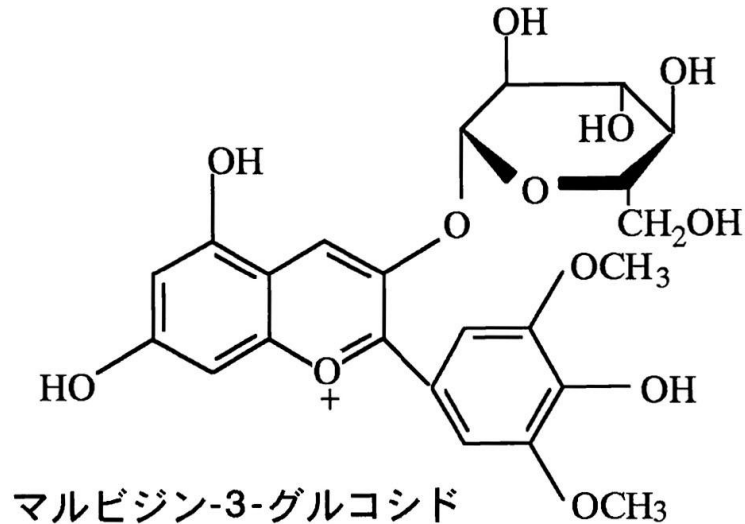


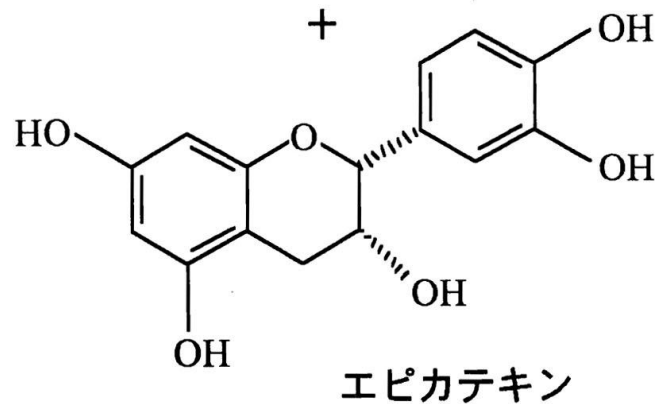
モデルワインでの試験

(alc. 12%, 酒石酸 0.5%)



+

アセトアルデヒド CH_3CHO



アントシアニンの抽出と モデル系

Dried grape skins (80 g)

Extracted with 10% formic acid-MeOH soln.
Filtrated (500 mL)
Concd. to 1/4 volume by evaporation

Filled up to 500 mL with dist. water
Extracted with 500 mL of EtOAc

Aqueous layer

Solvent layer

Extracted with 500 mL of isoamyl alcohol

Solvent layer

Aqueous layer

Extracted with benzene
(x5 vol. each of benzene and water)

Aqueous layer

Solvent layer

Anthocyanin monomers (Crude sample)

Crude sample treated with Sep-pak C18

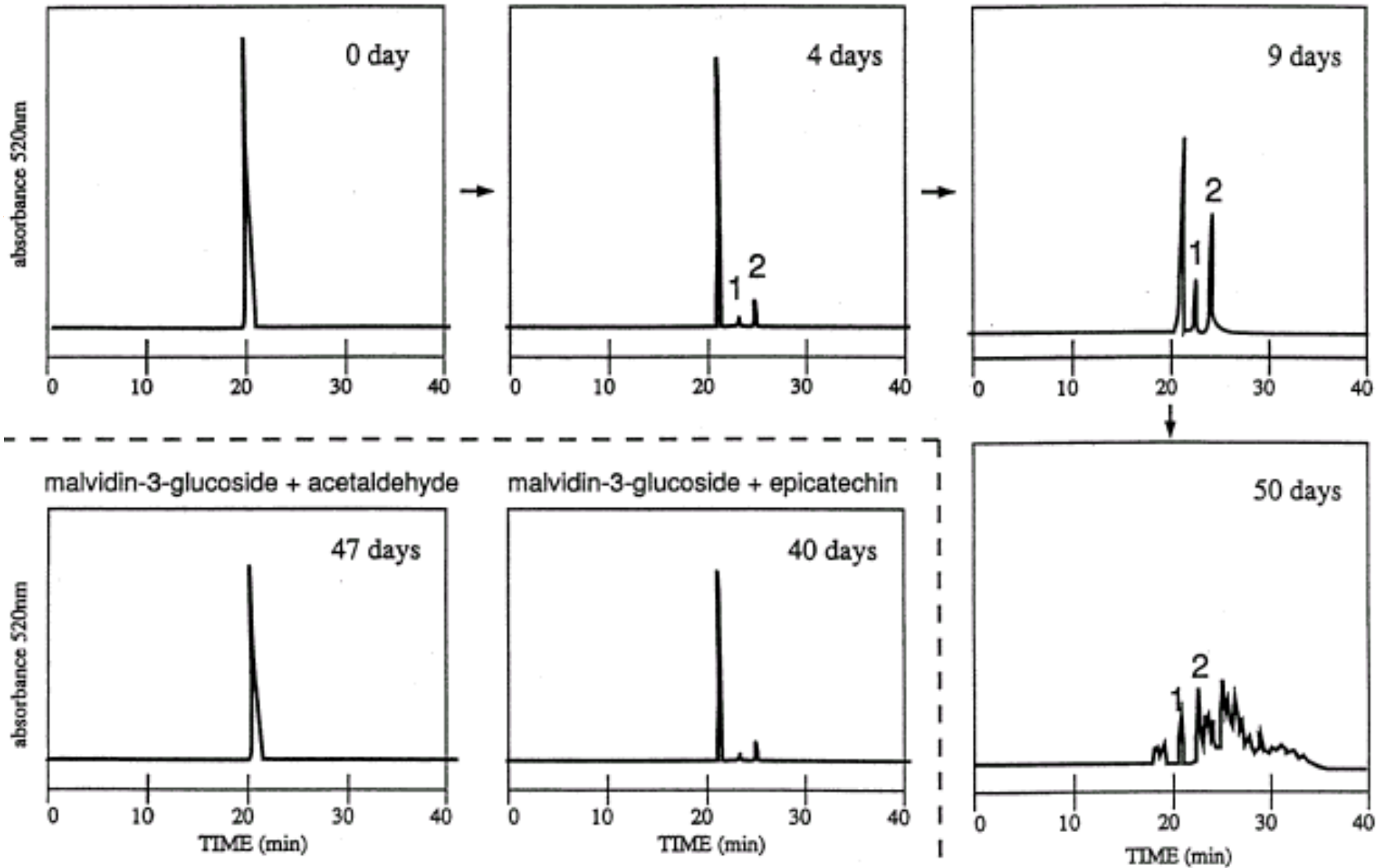
Prepared by HPLC: 17% MeCN (0.25% TFA)

Malvidin-3-glucoside

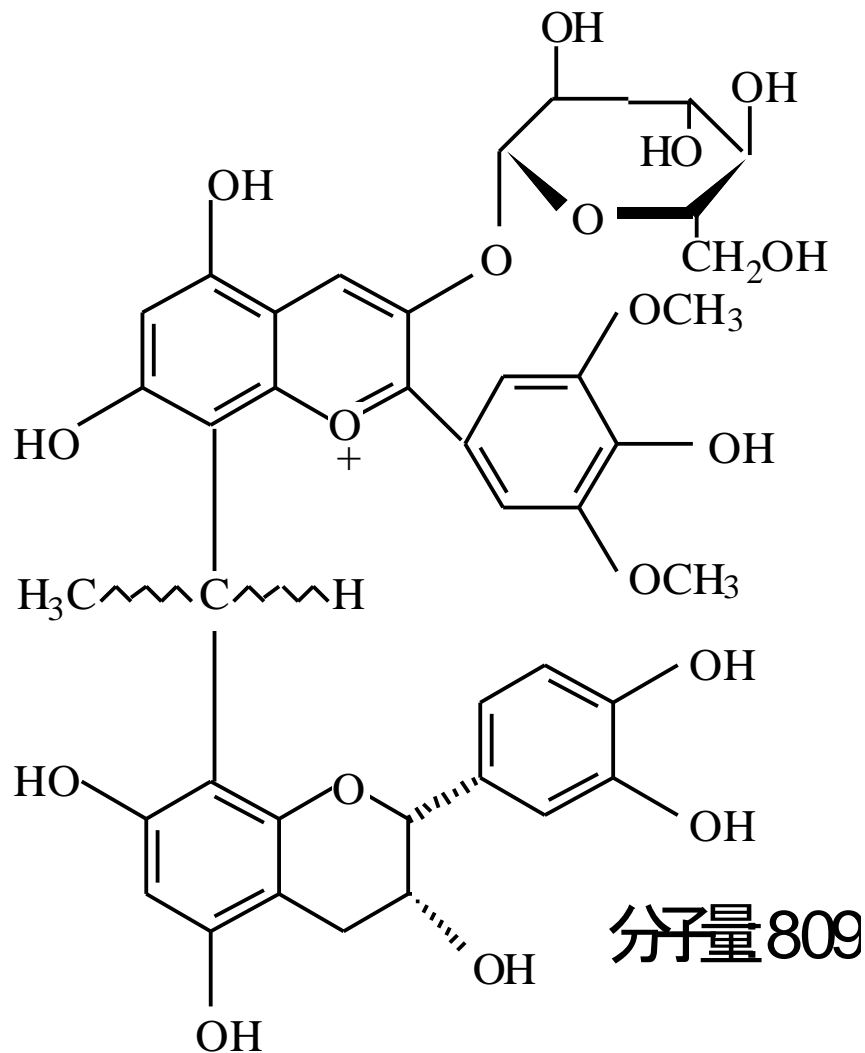
Model Wine Solution

malvidin-3-glucoside	0.3mM
acetaldehyde	35.8mM
(-)-epicatechin	2mM
tartaric acid	5g/L
ethanol	12%(v/v)
pH	3.2

モデルワインでの時間経過とHPLCパターン



ピーク1および2の化学構造



ピーク1および2のヒト血小板凝集 阻害活性

3.8%(w/v)-Sodium Citrate 1 Vol.
+
Human Blood 9Vol.

Centrifuged : 1000rpm, 10min

Platelet Rich Plasma (PRP)

Centrifuged : 3000rpm, 15min

Platelet Poor Plasma (PPP)

Inducer	IC ₅₀ (μM)	
	Arachidonic Acid	ADP
Malvidin-3-Glucoside	330	411
Epicatechin	>1000	>1000
Peak 1	105	109
Peak 2	170	138