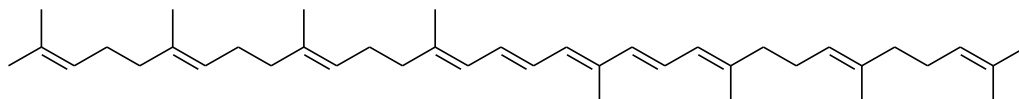




DATA SHEET

Trivial Name	(E/Z)-Phytofluene
Semi-systematic Name	7,8,11,12,7',8'-Hexahydro- ψ,ψ -carotene



Empirical Formula	Molecular Weight	Product Number	Date
$C_{40}H_{62}$	542.94	0042	Ampullation: 2019.02.05. Analysis: 2021.03.01.

Appearance (Color, Form)	Yellowish oil
Source	Chemical synthesis
Melting Point	-

UV/VIS	Solvent	λ_{max} (nm)	A(1%,1cm)	%III/II	
	Hexane		332		77
			348	1800	
			367		

HPLC	Purity % (peak area)	97.8
	Stationary Phase	Lichrospher-C ₁₈ 5 μ m

Properties	Non-toxic, pure, contains no biological impurities
Remarks	For analytical purpose only, not for human consumption Store at ca. -20°C

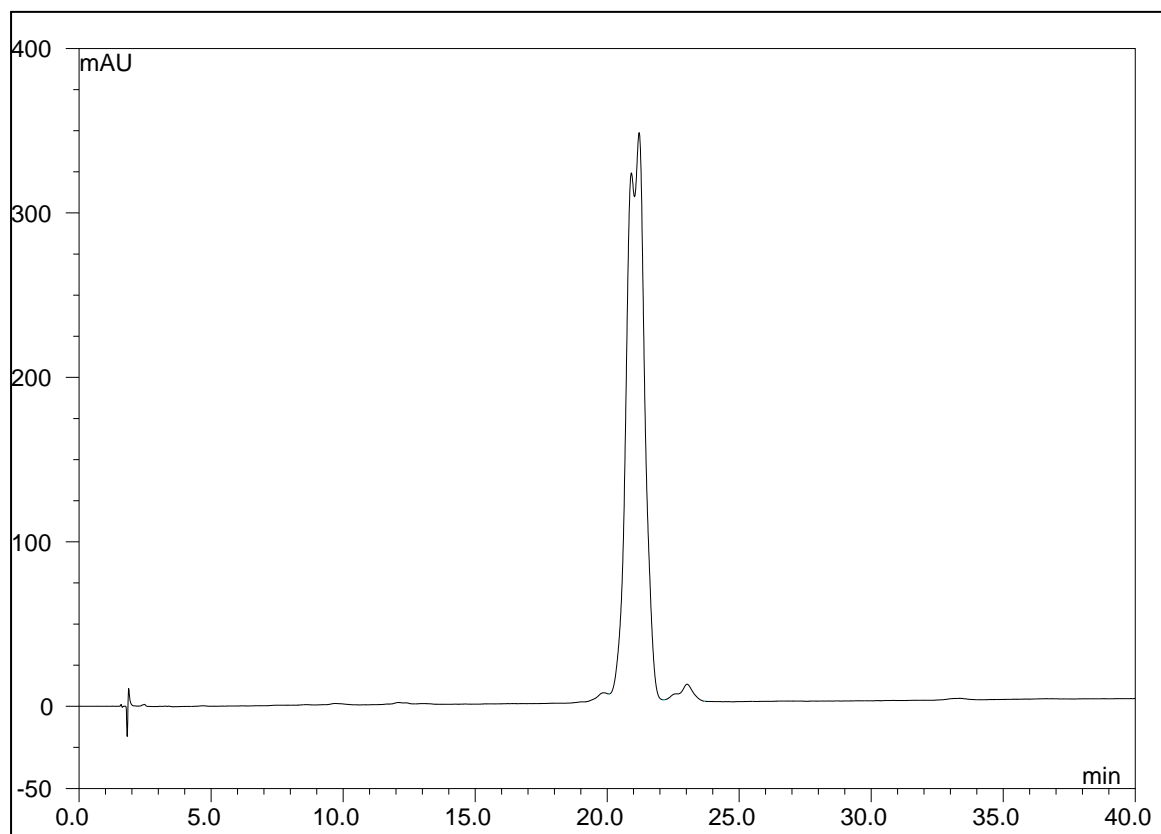


HPLC

Phytofluene

Analysis date: 2021.03.01.

340 nm



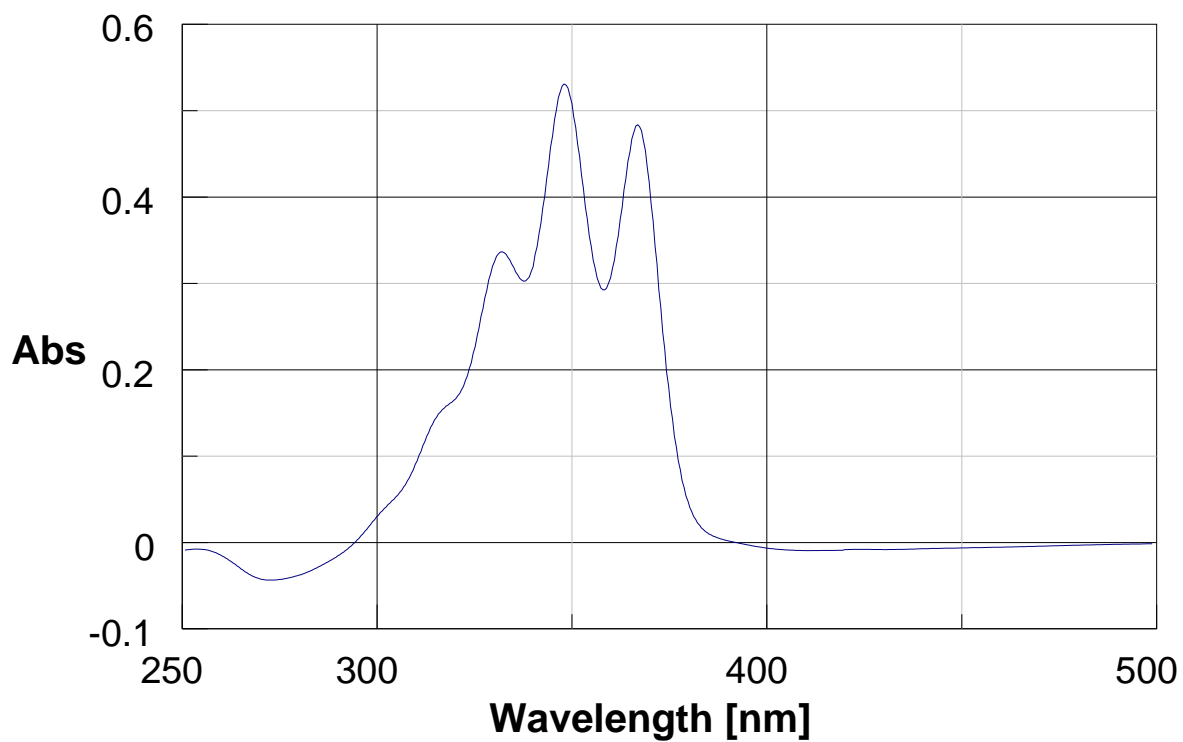
	RT	% Area
1	20.92	44.10
2	21.21	53.71
3	23.03	2.19



UV/Vis

Phytofluene

Analysis date: 2021.03.01.



Solvent: Hexane

$\lambda_{\max.}$ (nm): 332 348 367

$A_{1\%,1\text{cm}}$: 1800