

Supplementary Materials

Table S1 The grid box parameters for molecular docking using AutoDock VinaXB

Protein	PDB code	Binding site	X	Y	Z	Native inhibitor
E protein	1OKE	K site [33]	-14.0	78.6	43.6	FN5Y [27]
		Y site [27]	-19.5	60.5	59.5	
NS2B/3 protease	2FOM	Allosteric site [34]	-7.0	-9.7	9.0	Compound 9 [25]
NS5 MTase	5EHI	SAM site [28]	32.3	48.5	10.2	Sinefungin [28]
NS5 RdRp	3VWS	Active site [26]	20.0	60.1	16.0	NITD-107 [26]

Mass Spectrum List Report

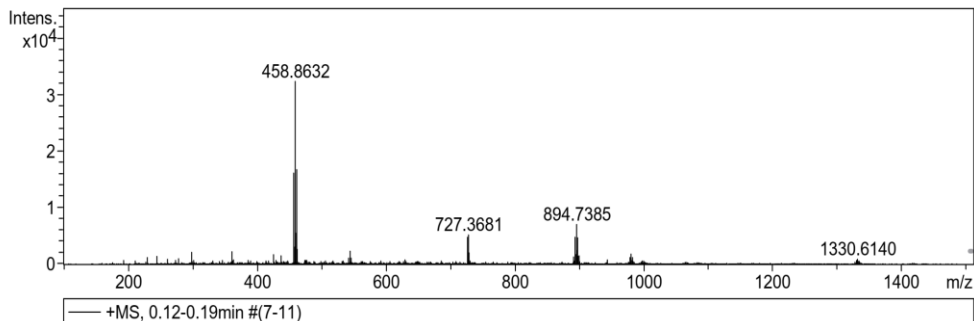
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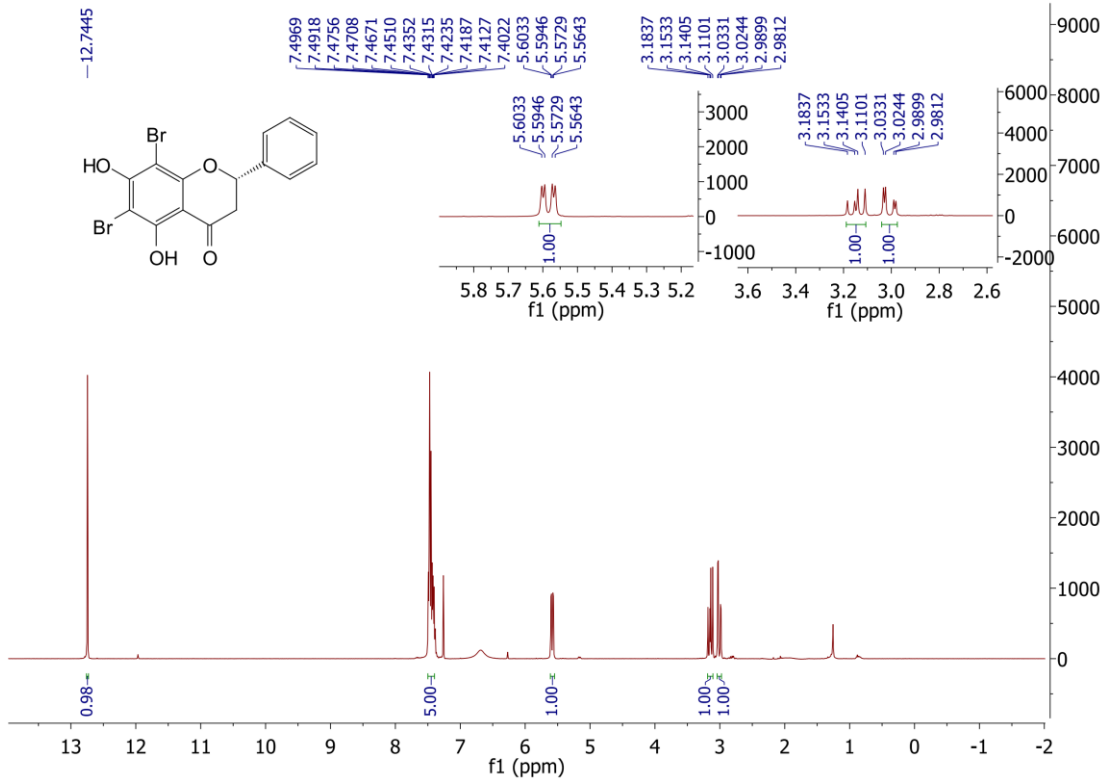
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 Operator CU.
 Instrument / Ser# micrOTOF-Q II 10335

Acquisition Parameter

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(a)



(b)

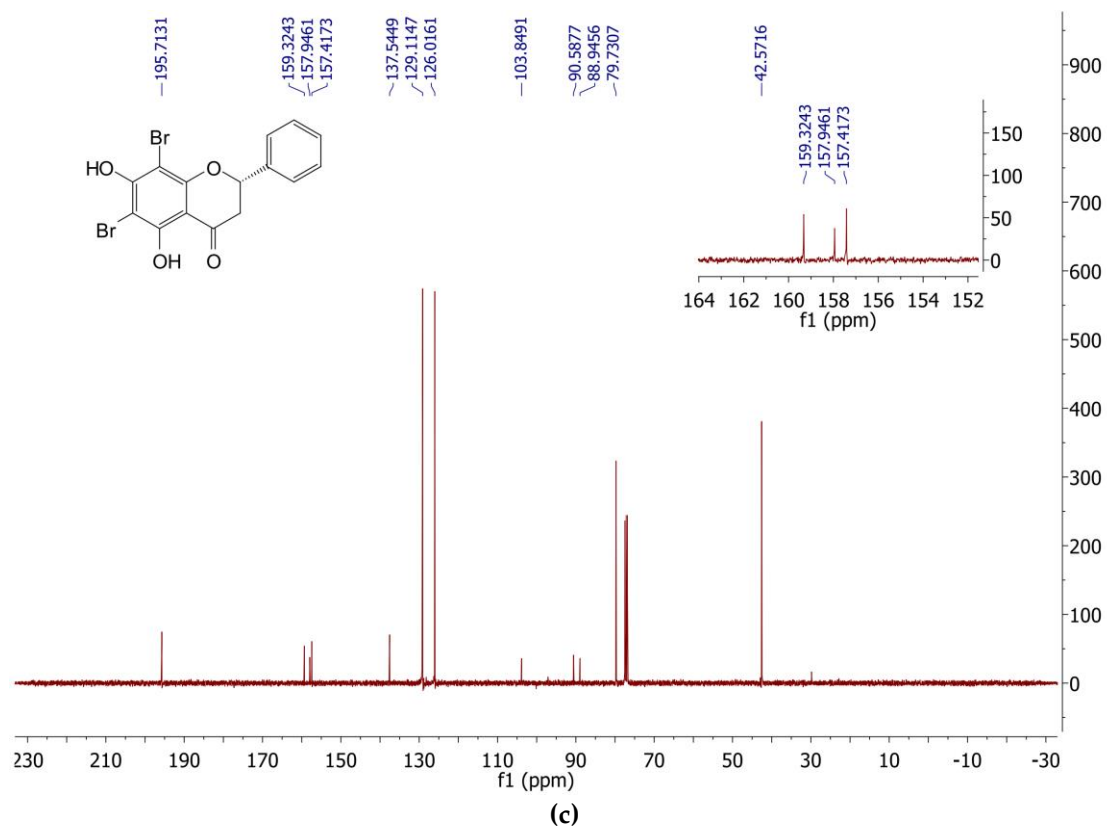


Figure S1. TH011 identification by (a) HR-ESI-MS. (b) ¹H NMR spectrum (Acetone-d₆, 400 MHz) (c) The ¹³C NMR spectrum (Acetone-d₆, 100 MHz).

Mass Spectrum List Report

Analysis Info

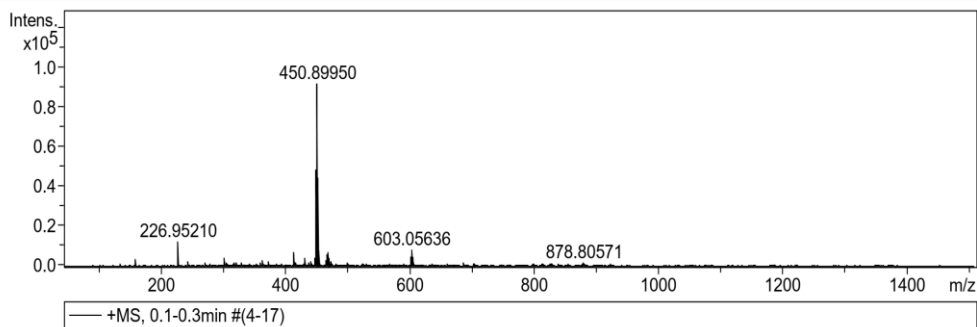
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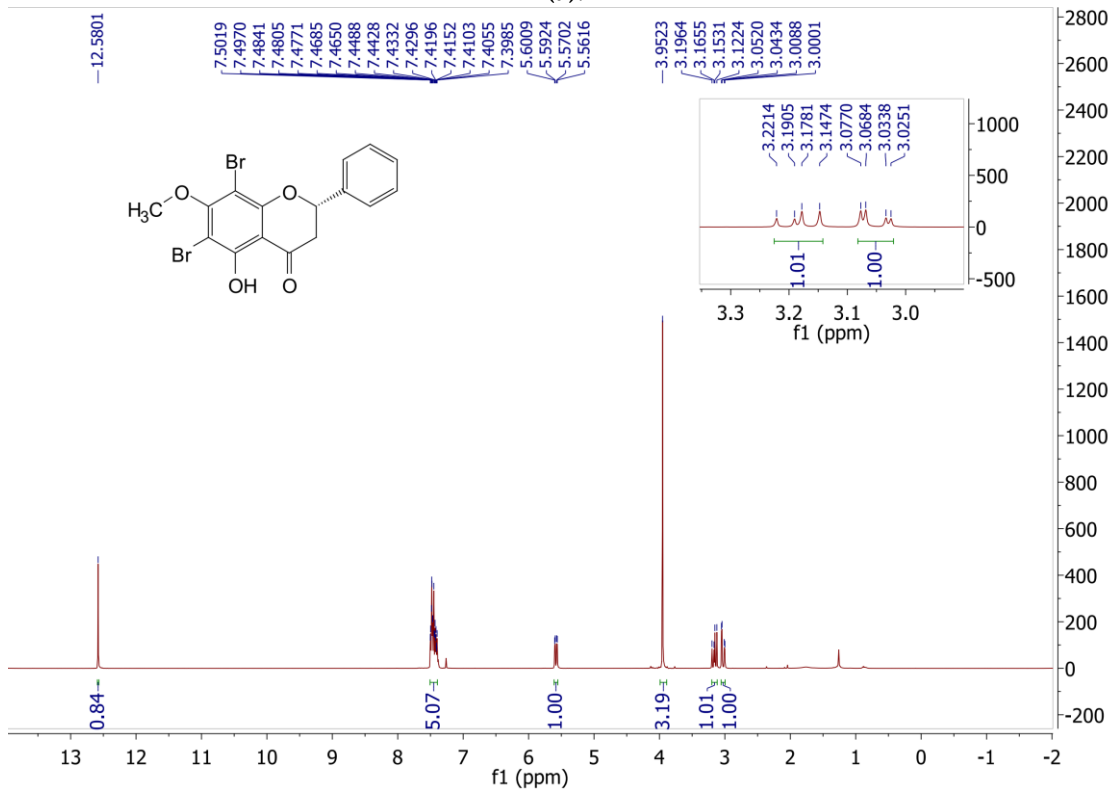
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Instrument / Ser# micrOTOF-Q II 10335

Acquisition Parameter

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Scan End	1500 m/z	Set Collision Cell RF	150.0 Vpp	Set Divert Valve	Waste



(a).



(b)

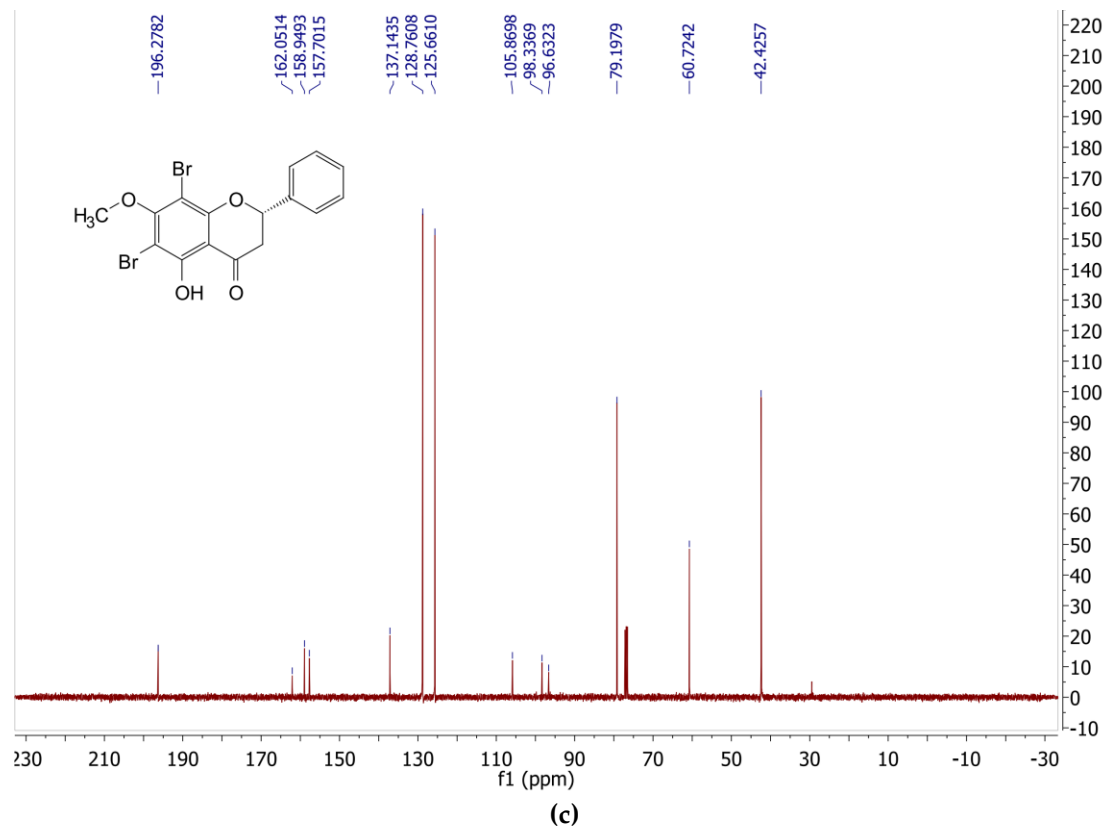


Figure S2. TH002 identification by (a) HR-ESI-MS. (b) ^1H NMR spectrum (Acetone- d_6 , 400 MHz) (c) The ^{13}C NMR spectrum (Acetone- d_6 , 100 MHz).

Mass Spectrum List Report

Analysis Info

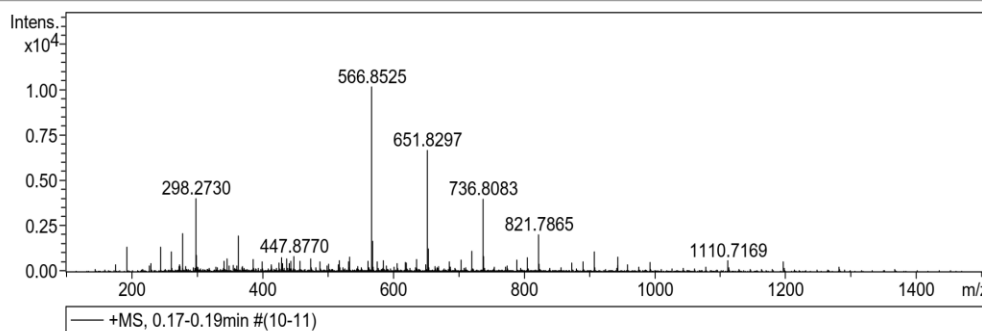
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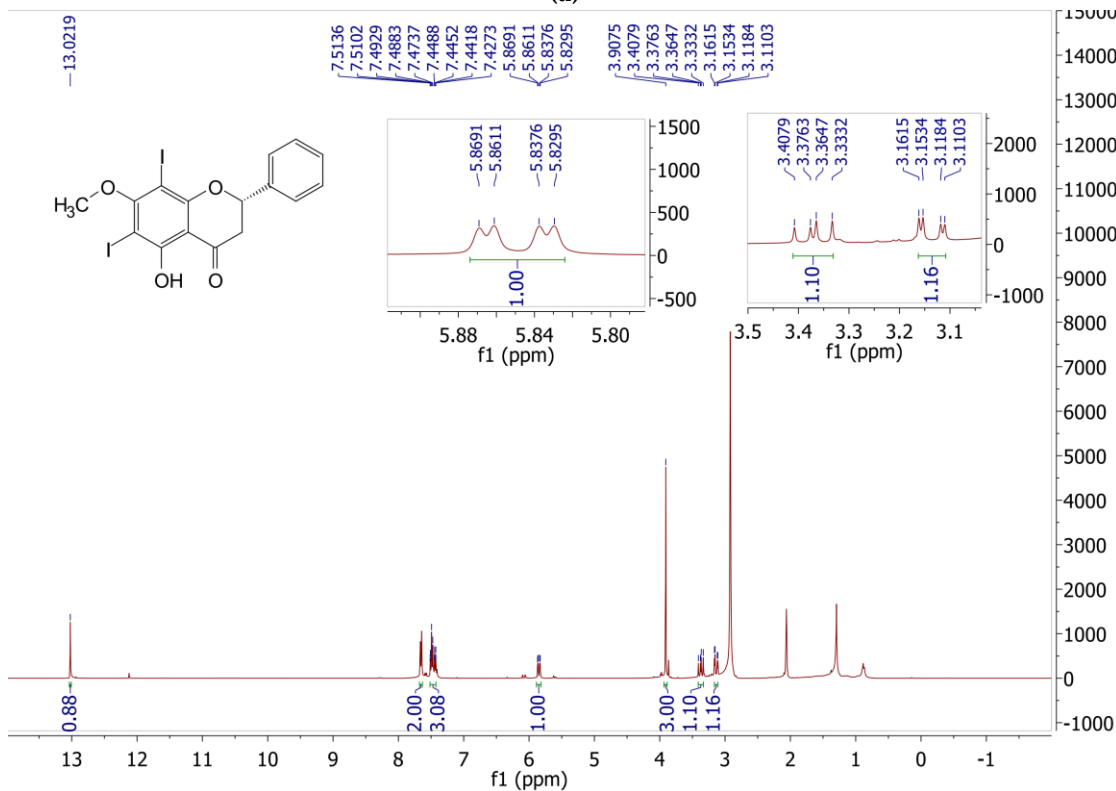
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 Instrument / Ser# microTOF-Q II 10335

Acquisition Parameter

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Scan End	1500 m/z	Set Collision Cell RF	250.0 Vpp	Set Divert Valve	Waste



(a)



(b).

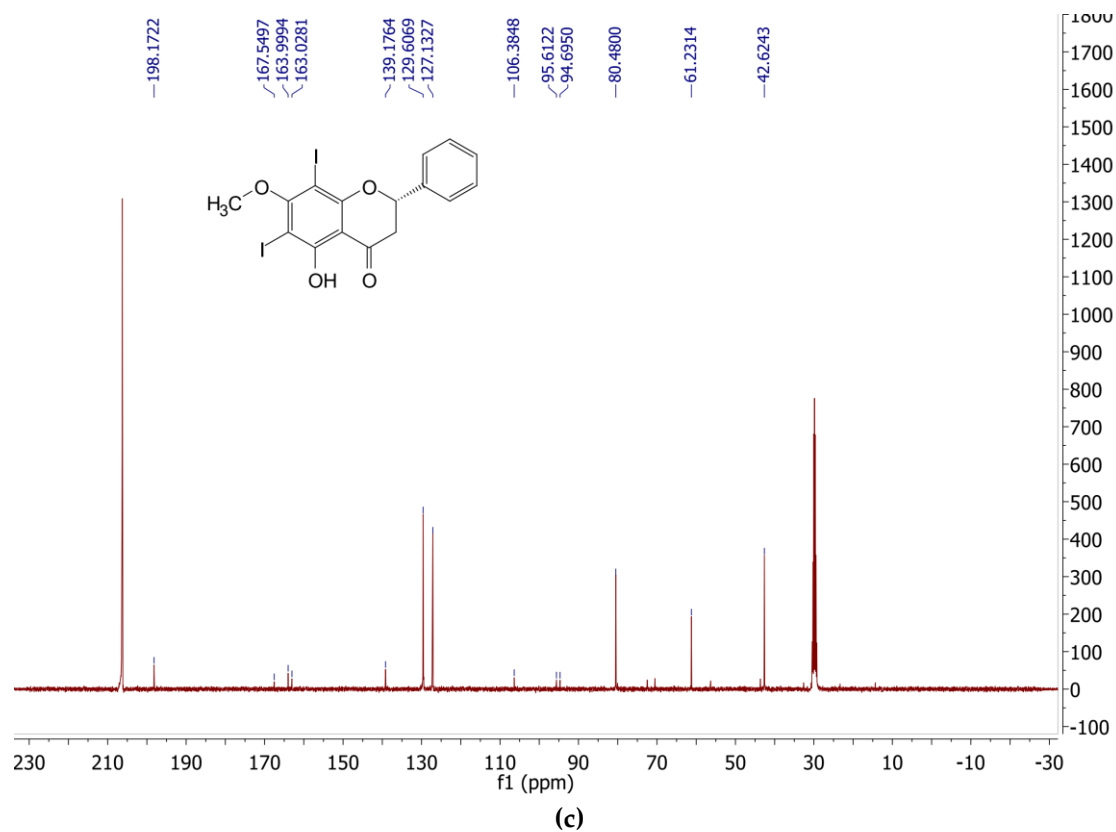


Figure S3. TH012 identification by (a) HR-ESI-MS. (b) ^1H NMR spectrum (Acetone- d_6 , 400 MHz) (c) The ^{13}C NMR spectrum (Acetone- d_6 , 100 MHz).

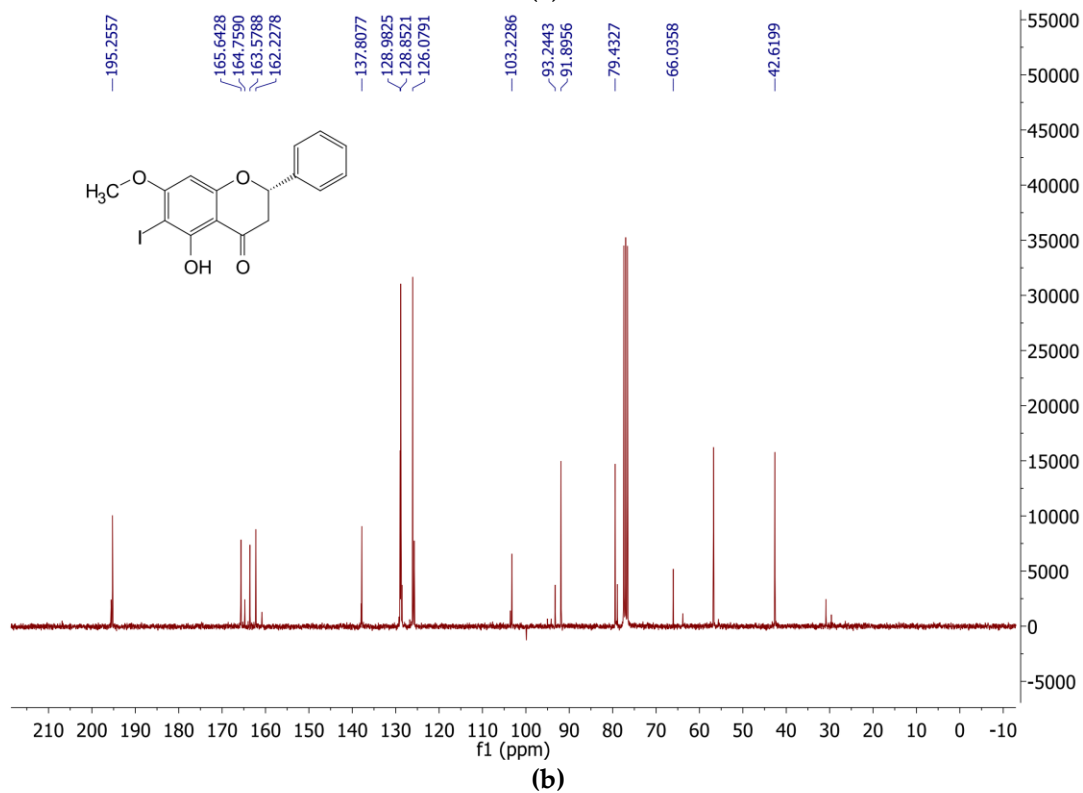
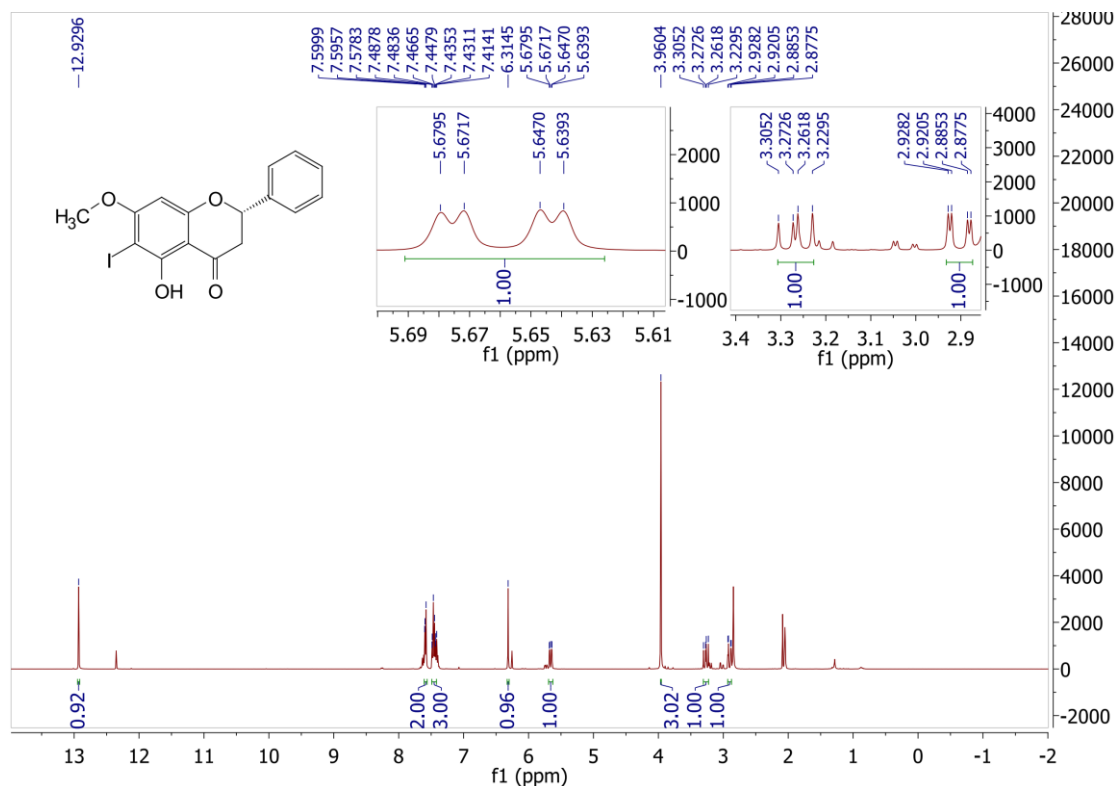


Figure S4. TH018 identification by (a) ¹H NMR spectrum (Acetone-d₆, 400 MHz) (b) The ¹³C NMR spectrum (Acetone-d₆, 100 MHz).

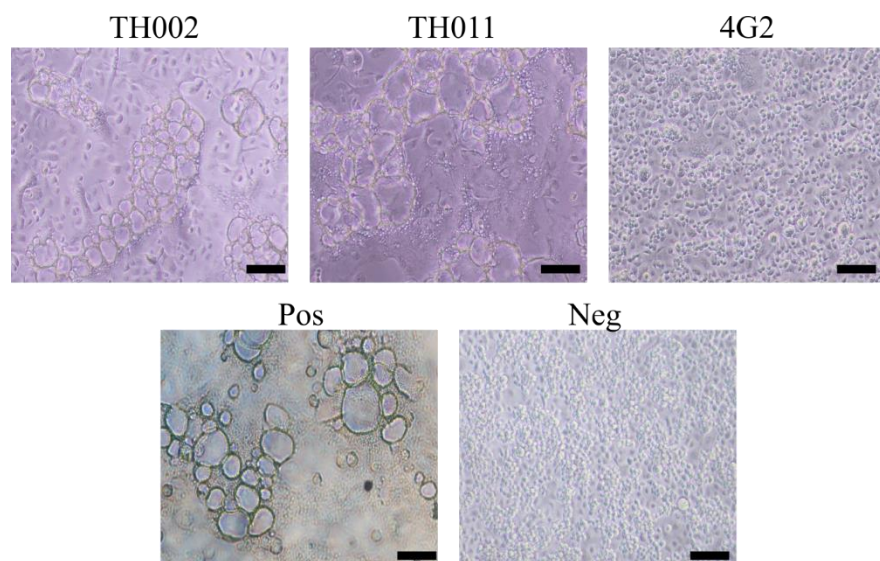


Figure S5. Fusion inhibition assay; TH002 and TH011 (10 μ M) were incubated with the DENV2-infected cells for 2 days before addition of 0.5 M MES, pH 5.5. The 4G2 antibody was an inhibitor of DENV envelope fusion and was used as a control. Pos and Neg were abbreviated from positive (DENV) and negative (media-only) controls, respectively.

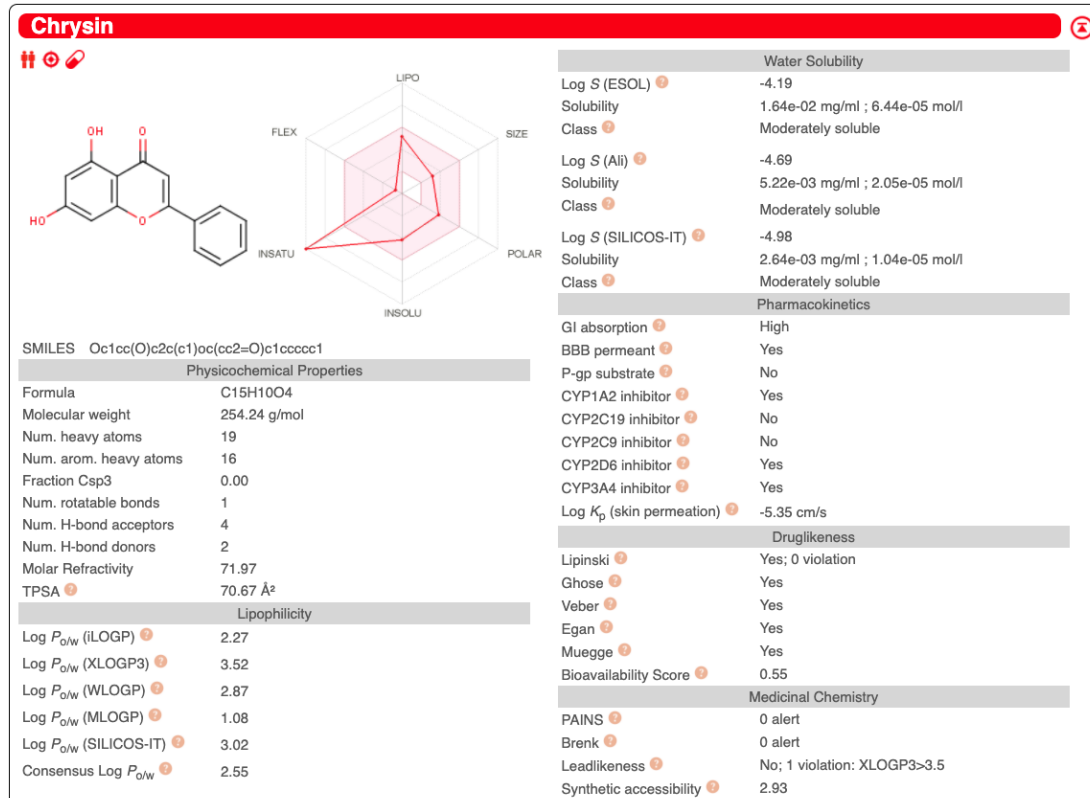
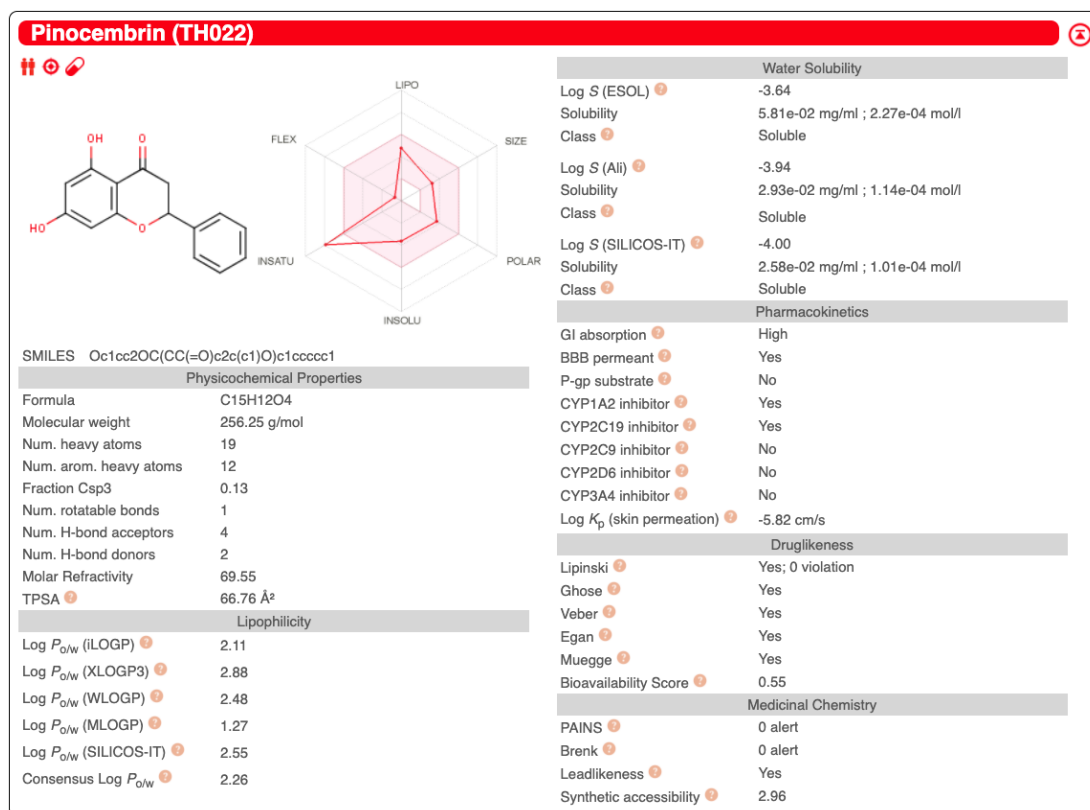


Figure S6. Solubility comparison of pinocembrin (TH022) and chrysin.