Supplementary Materials: Discovery of Novel Antiangiogenic Marine Natural Product Scaffolds

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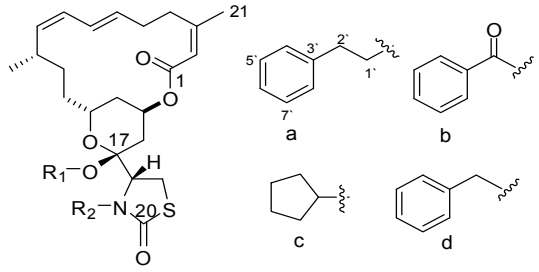
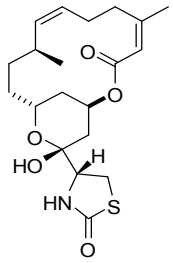
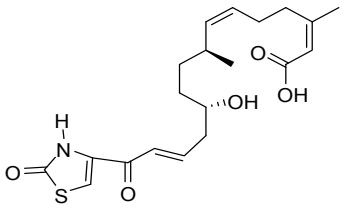
Macrolides



	R_1	R_2
Latrunculin A (**1**)	H	H
2	CH_3	H
3	a	H
4	b	H
5	CH_3	CH_3
6	CH_3	C_2H_5
7	CH_3	c
8	CH_3	$(CH_2)_3OH$
9	CH_3	d
10	CH_3	b
11	H	C_2H_5
12	H	d
Latrunculin H (**13**)	H	CH_2OH

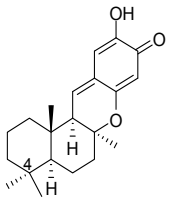


Latrunculin B (**14**)



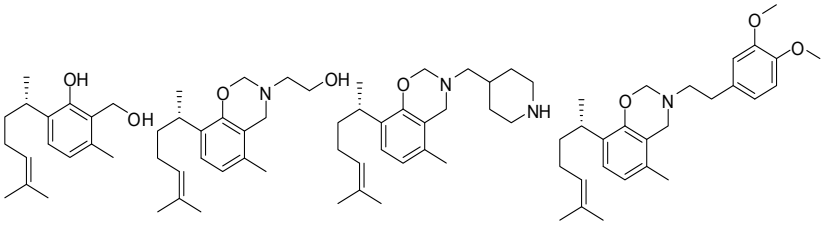
Latrunculin T (**15**)

Sesquiterpenes



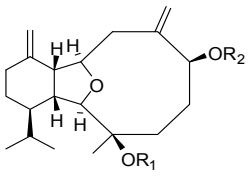
Puupehenone (**16**)

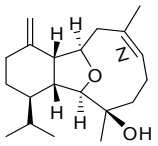
Curcuphenols: **17**



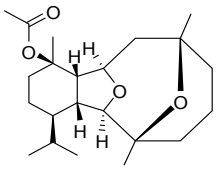
18 **19** **20**

Diterpenes

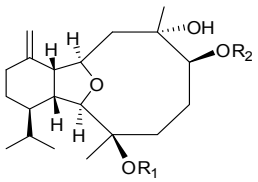




(6*Z*)-Cladiellin (**25**)

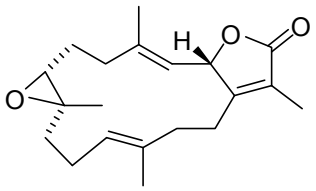


Polyanthelin A (**26**)



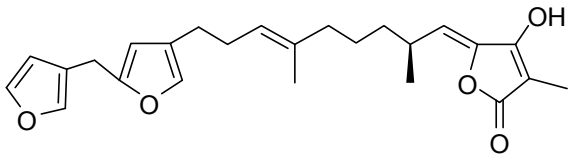
	R_1	R_2
Cladiellisin (**21**)	H	H
3-Acetyl cladiellisin (**22**)	Ac	H
3,6-Diacetyl cladiellisin (**23**)	Ac	Ac
Cladiellisin-6-butylcarbamate (**24**)	H	$CONHC_4H_9$

	R_1	R_2
Sclerophytin A (**27**)	H	H
Sclerophytin F methylether (**28**)	H	CH_3
Sclerophytin B (**29**)	Ac	H



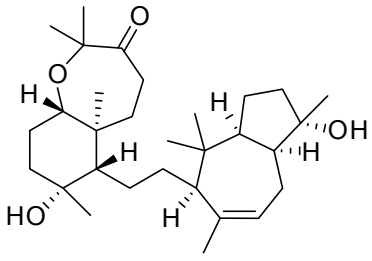
Sarcophine (**30**)

Sesterterpenes

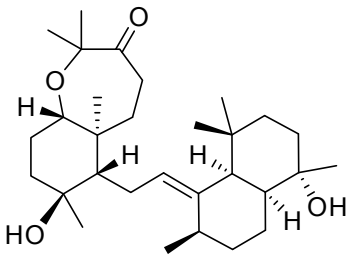


Ircinin-1 (**31**)

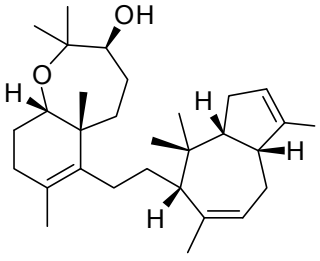
Triterpenes



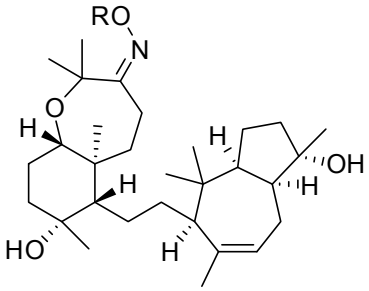
Sipholenone A (**32**)



Sipholenone E (**33**)

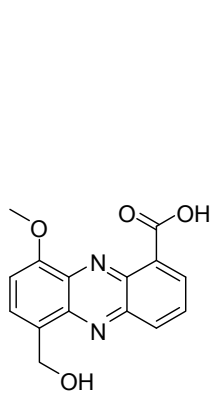


Anhydrosipholenol A (**34**)

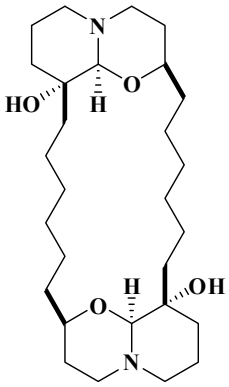


	R
Sipholenone A-4*Z*- *N*-benzoyloxime (**35**)	Benzoyl
Sipholenone A-4*Z*-*N*-benzyloxime (**36**)	Benzyl

Alkaloids

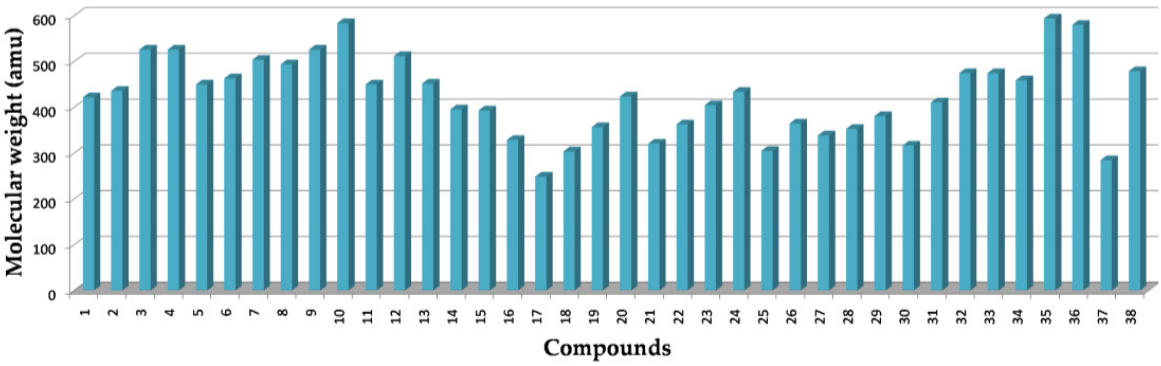


Griseoluteic acid (**37**)

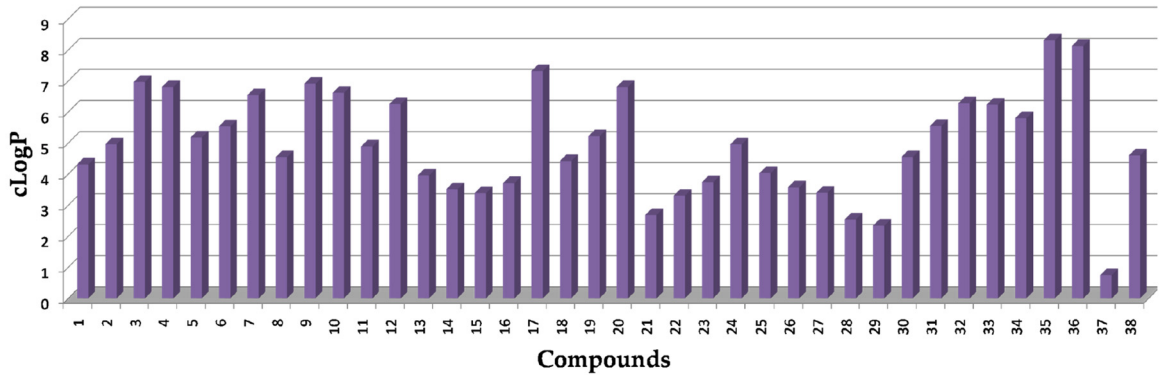


Araguspongine C (**38**)

Figure S1. Chemical structures of marine natural products (MNPs) library members accepted in Eli Lilly angiogenic screening assays.



(**a**)



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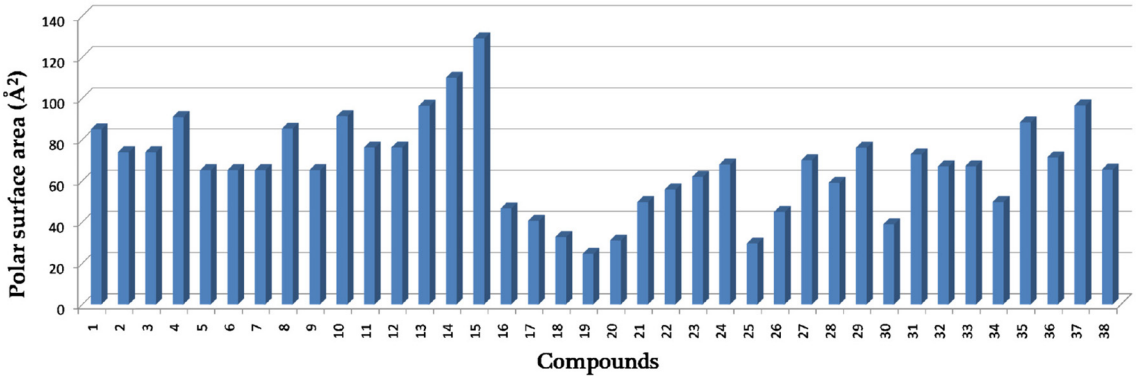
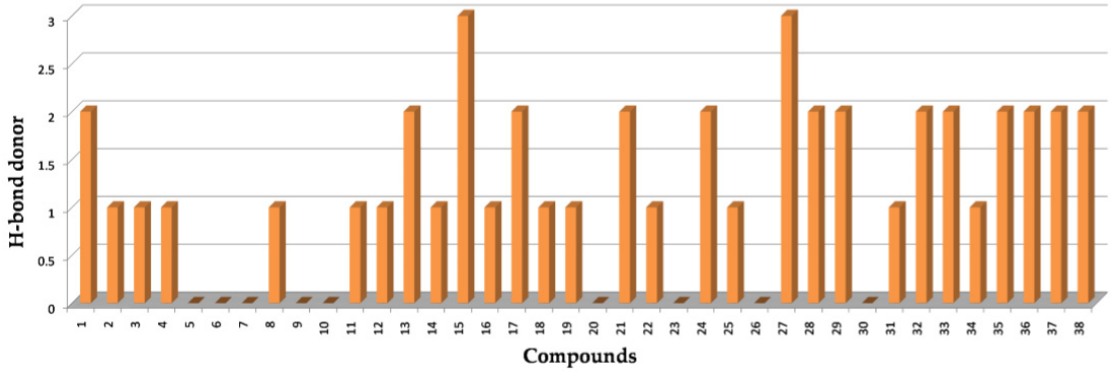
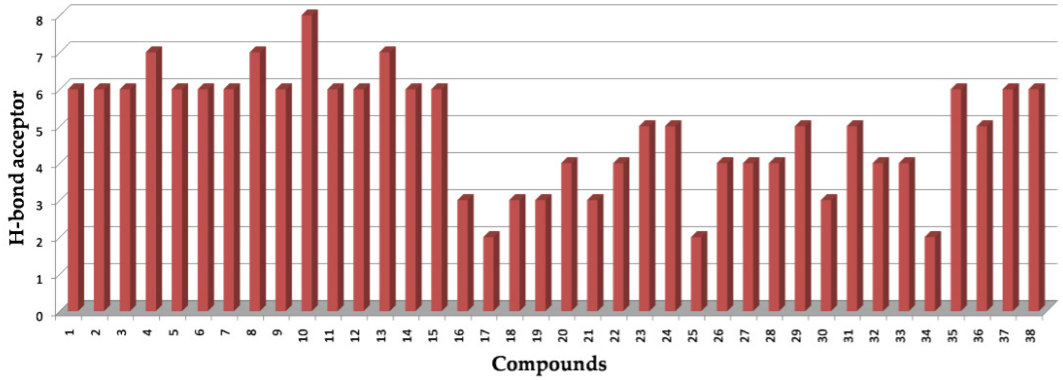


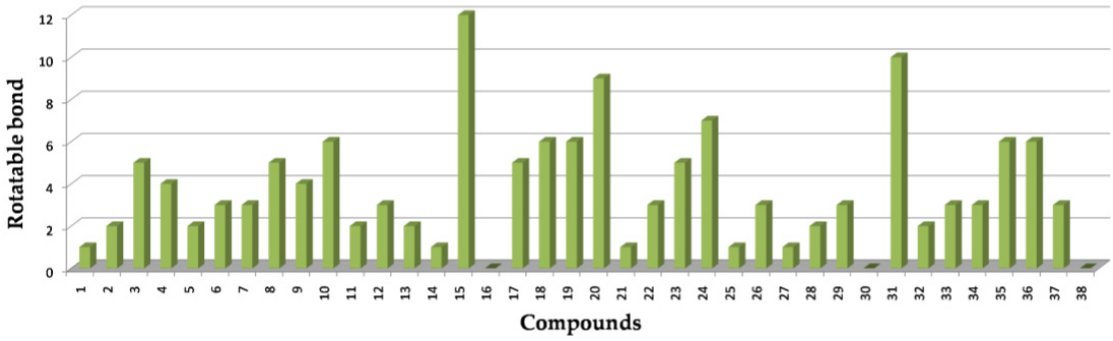
(**c**)



(**d**)



(**e**)



(**f**)

Figure S2. *In silico* molecular descriptors of compounds **1-38** calculated by Eli Lilly's bioinformatics system. (**a**) Molecular weight. (**b**) cLogP. (**c**) Polar surface area. (**d**) Number of H-bond donors. (**e**) Number of H-bond acceptors. (**f**) Number of rotatable bonds.

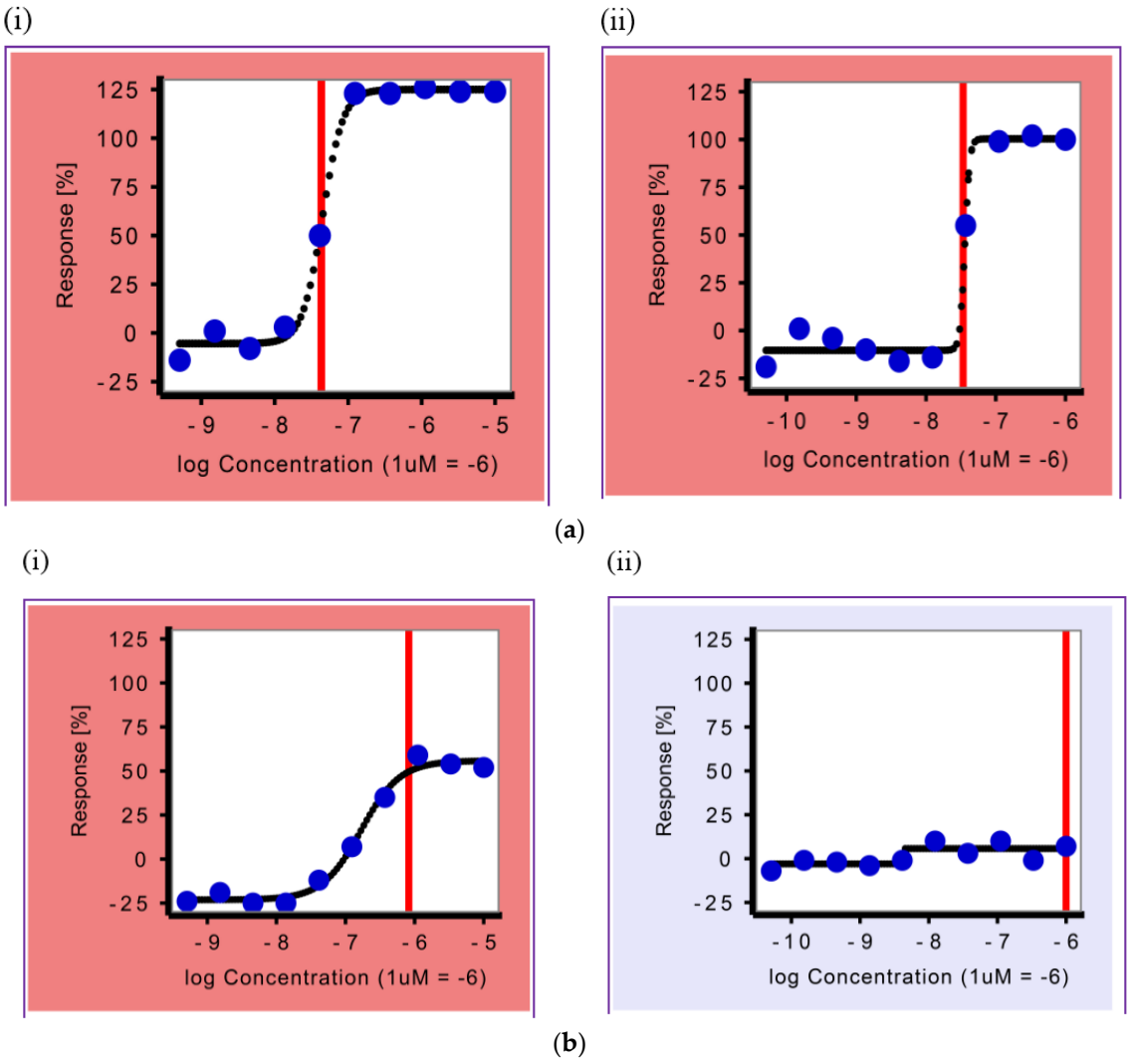


Figure S3. Effects of latrunculin A (**1**) and sunitinib on the endothelial colony forming cells (ECFCs) in angiogenesis assays. (**a**) Concentration response curve of latrunculin A (**i**) and sunitinib (**ii**) treatments on endothelial colony forming cells (ECFCs) CD31 tube area. (**b**) Concentration response curve of latrunculin A (**i**) and sunitinib (**ii**) treatments on endothelial colony forming cells (ECFCs) CD31 nuclei area.