## **European Journal of Chemistry**

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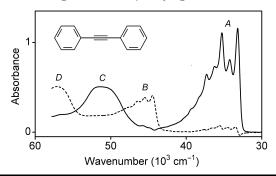
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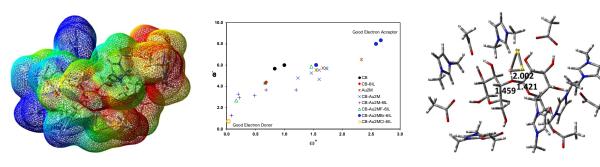
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Pyracantha crenulate

Berberis asiatica

Rubus ellipticus

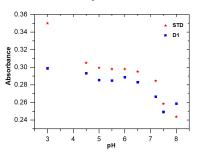
Ficus palmate

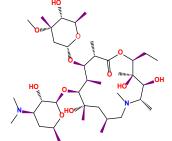
Myrica esculenta

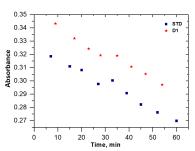
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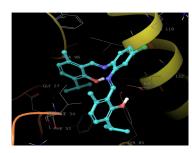


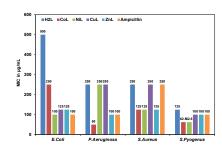


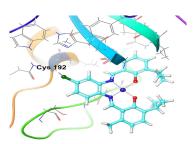
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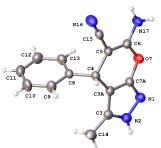


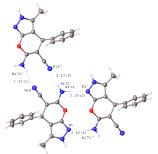


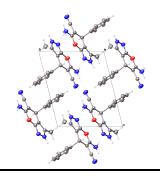
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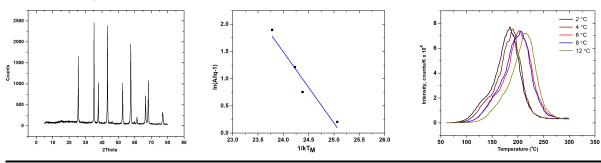




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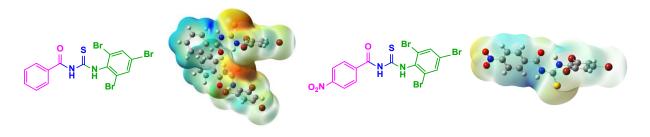
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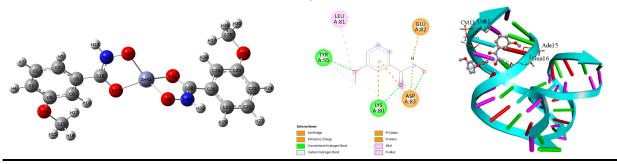
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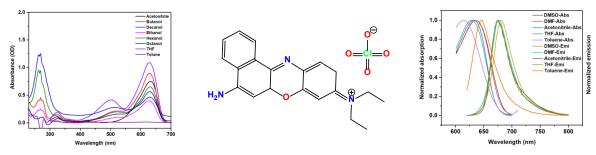
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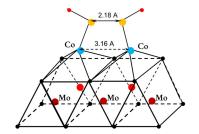
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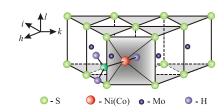
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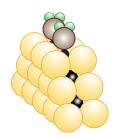


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# Entropy of the surface catalytic reaction: Expansion of the advanced $H_2S$ paradigm to novel catalytic systems Anatolii Startsev



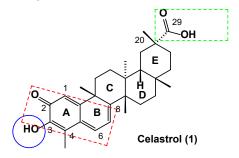




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#### Exploring medicinal potential and drug delivery solutions of Celastrol from the Chinese "Thunder of God Vine"

Zimo Ren and Paolo Coghi



- C-20 carboxyl group is the main modifying group, and its physicochemical properties can be improved mainly through esterfication reaction and amide reaction
- A/B ring is connected to activity (quinone methide), C-2 and C-3 can be modified to improve activity; C-6 mainly introduced sulfonic and indole through nucleophilic reaction can generate derivative with increased activity
- Modification of C-3 hydroxyl group are important factor for antiproliferative and neuroprotective activity