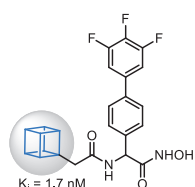


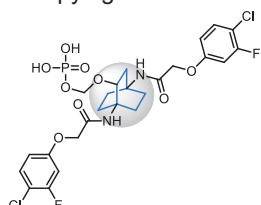
# 3D-Shaped Scaffolds

## Introduction

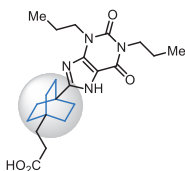
Cyclic molecular skeletons are widely applied in the construction of medicinal molecules due to their ability to occupy binding pockets and impose conformational restrictions. Among these structures, symmetric forms like cubane and adamantane have been prevalent. In exploring their creative potential, Enamine chemists have prepared a panel of non-classical 3D-shaped cyclic scaffolds capable of occupying intermediate molecular volumes and lipophilicity values.<sup>1-3</sup>



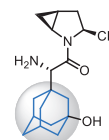
inhibitor of *Plasmodium vivax* metalloaminopeptidase  
*J. Med. Chem.* **2019**, *62*, 622



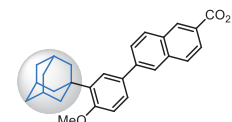
**Fosigotifator**  
activator of initiation factor 2  
Phase 2-3 trials against amyotrophic lateral sclerosis  
*AbbVie*



**Tonapofylline**  
antagonist of A1 adenosine receptors  
Phase 3 trials against congestive heart failure  
*Biogen*

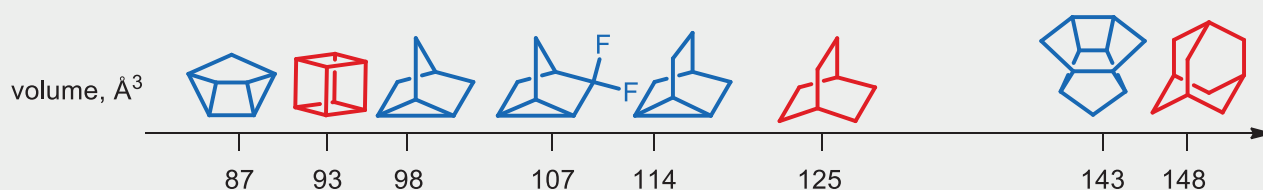


**Saxagliptin**  
dipeptidyl peptidase-4 inhibitor  
approved against type 2 diabetes  
*AstraZeneca*



**Adapalene**  
binds to nuclear retinoic acid receptors  
approved for topical treatment of acne  
*Galderma*

## Concept



**We offer:** over 50 non-classical 3D-shaped compounds from stock on 5-10 gram scale.

EN300-45597846	EN300-27145205	EN300-7501656	EN300-45428265	EN300-27145605	EN300-45433068	EN300-27750369	EN300-46254123
EN300-45218581	EN300-44825930	EN300-45639398	EN300-44825927	EN300-44825926	EN300-45589347	EN300-45589346	EN300-45597724
EN300-7652624	EN300-7625562	EN300-37354083	EN300-7472240	EN300-26872484	EN300-26678566	EN300-26658422	EN300-26632235
EN300-107787	EN300-136142	EN300-51293	EN300-329665	EN300-186951	EN300-187675	EN300-51316	EN300-107788
EN300-7536983	EN300-7625118	EN300-27114734	EN300-7640753	EN300-25693230	EN300-45641956	EN300-46733944	EN300-9424653

## References

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2. L. Wanka *et al. Chem. Rev.* **2013**, *113*, 3516.

3. N. Vinh *et al. J. Med. Chem.* **2019**, *62*, 622.



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