

On the molecular pharmacology of EndothelinA receptors : or how EndothelinA agonists can make a difference

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Stellingen

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On the Molecular Pharmacology of Endothelin_A Receptors

1. The anti ET effects of CGRP may explain why pepper and garlic, beyond making our food taste great, serve a purpose for our cardiovascular health. (*This thesis*)
2. Different ET isoforms are not just for show, they serve a biologically relevant purpose. (*This thesis*)
3. When you attempt to antagonize a tightly bound agonist, take into consideration the tightness of your antagonist binding. (*This thesis*)
4. An agonist-dependent allosteric modulator may not only do more good than bad, but may do more of the good and less of the bad than a competitive antagonist. (*This thesis*)
5. "To keep this field of this highly exciting endothelin story going, each one of us should use their imagination in a positive way". (*Masashi Yanagisawa, ET-12*)
6. "Since allosteric effects produce a change in shape of the receptor, it cannot be assumed a priori that a uniform antagonistic effect on agonism will result". (*Terry Kenakin, A Pharmacology Primer*)
7. "Allosterism is the norm with just about everything". (*Arthur Christopoulos, Drug Discovery World*)
8. "We have to remember that what we observe is not nature in itself, but nature exposed to our method of questioning". (*Werner Heisenberg, Physics and Philosophy*)
9. "The universe we observe has precisely the properties we should expect if there is, at bottom, no design, no purpose, no evil and no good, nothing but blind pitiless indifference". (*Richard Dawkins, River Out of Eden*)
10. "If you're not prepared to be wrong, you will never come up with anything creative". (*Ken Robinson, The Element*)
11. "Yeah, science!" (*Jesse Pinkman, Breaking Bad*)