

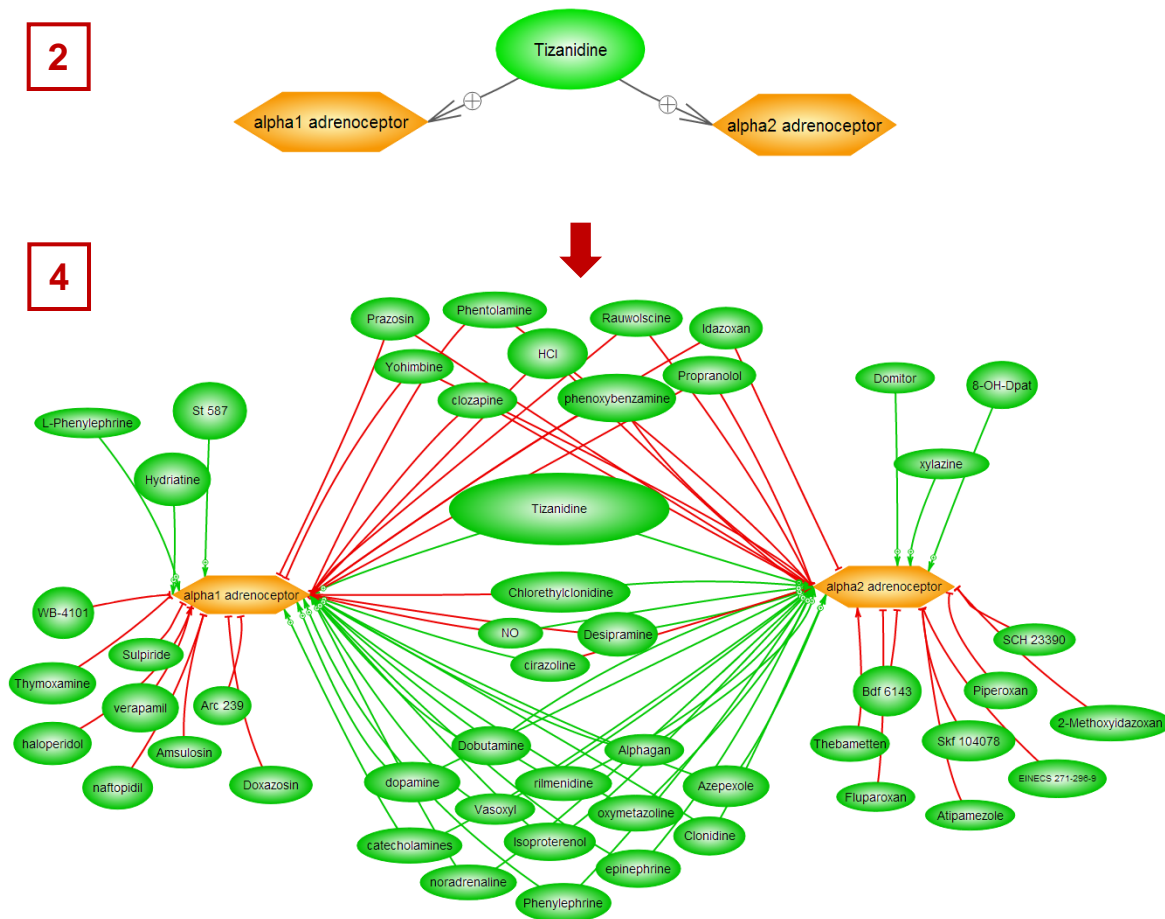
Can I identify potential drug-drug interactions through opposing actions on the drug target?

Example: What other drugs affect the targets of tizanidine?

Steps to follow:

1. Put **Tizanidine** in a new pathway.
2. Go to Add > Neighbors or Connections > Expand Pathway > Direction of relations: "downstream" > Entity type: "Protein/Complex/Functional Class" > Relation type "Regulation/ DirectRegulation/ Expression."
3. Select interesting identified entity(s). (Here more specific functional classes are selected.) Go to Add > Neighbors or Connections > Expand Pathway > > Direction of relations "upstream" > Entity type: "small molecule" > Relation type: "DirectRegulation." (Optional: add also Regulation and Expression to the Relation types.)
4. In the Graph View choose Style > Active Style Sheet > By Effect.

Point to consider: Removing relations with low reference counts increases the confidence in the resulting network.



Both activators and inhibitors of alpha adrenoceptors can potentially interfere with the action of Tizanidine.

Example generated using Pathway Studio® 9 software and the Mammalian+ChemEffect database
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