

Self guided Tour

Reaxys Medicinal Chemistry

IS MY COMPOUND OF INTEREST ACTING ON HERG CHANNEL?





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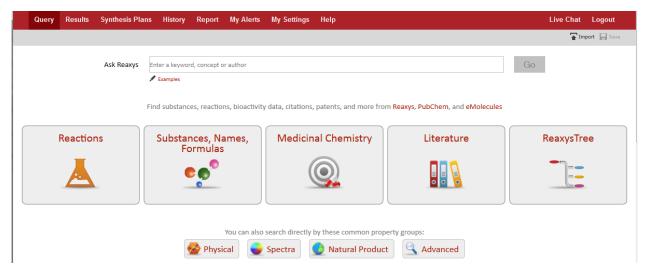
1.1 Scenario

Risperidone (trade name Risperdal, and generics) is an atypical antipsychotic drug which is mainly used to treat schizophrenia (including adolescent schizophrenia), schizoaffective disorder, the mixed and manic states associated with bipolar disorder, and irritability in people with autism.

Adverse effects of risperidone include significant weight gain and metabolic problems such as type 2 diabetes mellitus, as well as tardive dyskinesia and neuroleptic malignant syndrome. Risperidone and other antipsychotics also increase the risk of death in patients with dementia. Risperidone prolongs the QT interval (Herg related).

Search whether risperidone was tested on Herg (Kv11.1)?

1.2 Step by step



Step 1 Search using Ask Reaxys

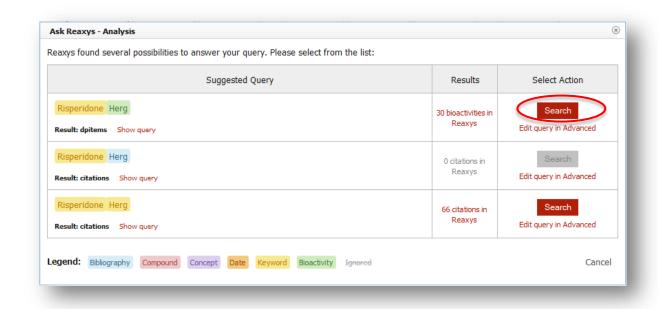
Type in Risperidone Herg and click on Go



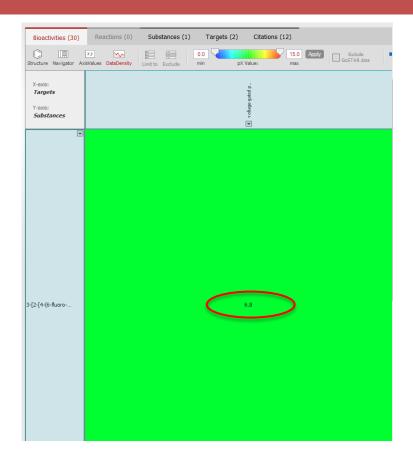
Ask Reaxys recognize the abbreviated term Herg as a target by using the target taxonomy (main terms as well as synonyms are searched) and Risperidone is recognized as a Subto retrieve substance tested on the corresponding target.

A dialogue box is displayed because Ask Reaxys found several possibilities to answer to your query Choose the most relevant one.

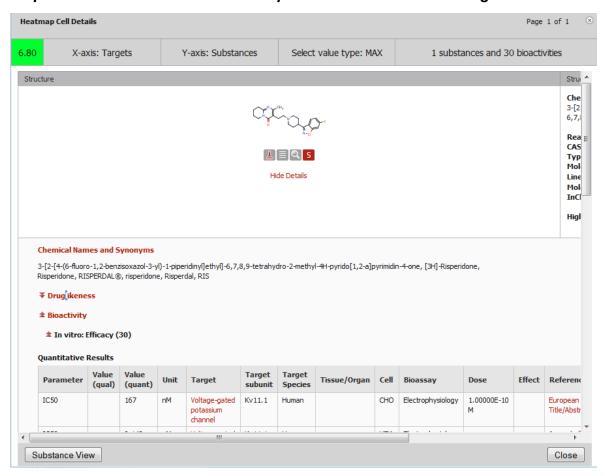
In our case we will select the first one where Herg was recognized as part of the bioactivity concept.



Heatmap is displayed showing Risperidone activity on Herg Voltage gate potassium Channel (Kv11.1)



Step 2 : Click on the cell to access Risperidone Bioactivities on Herg



For more information please Contact

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