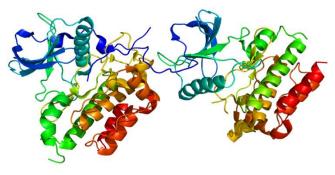
Finding a potential inhibitor (Background)

- Increased gene expression leads to disease
- Research on KIT inhibitors can help drug discovery

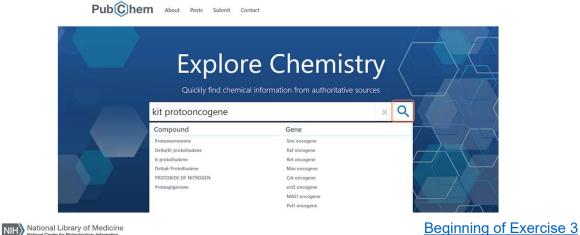
The KIT protooncogene encodes for a receptor tyrosine kinase protein



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Finding a potential inhibitor (1/11)

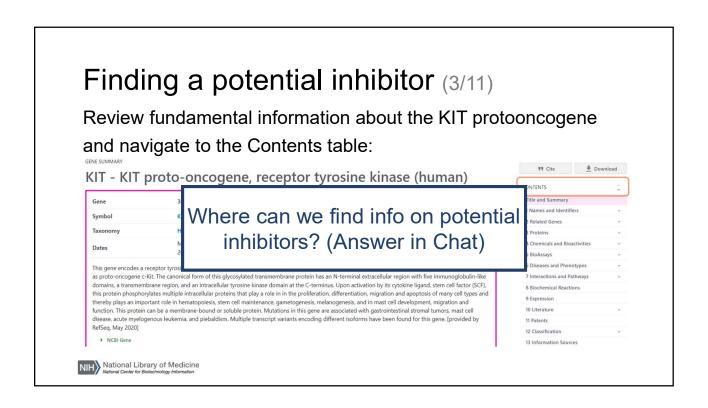
Go to the PubChem homepage and search for "kit protooncogene":

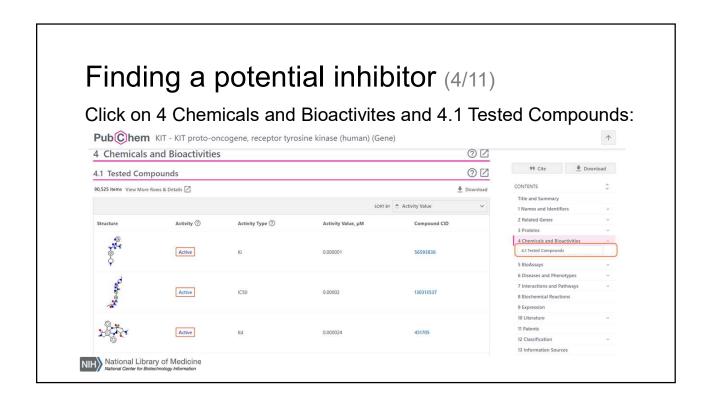


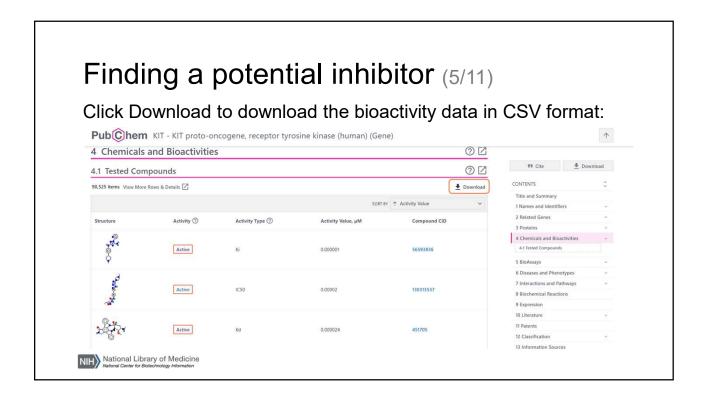
1

Finding a potential inhibitor (2/11) Click on the result, which will direct you to the gene summary page: SEARCH FOR kit protooncogene Treating this as a text search. Genes Literature Patents (1) (142) (11) Searching gene targets tested in PubChem bioassays and those involved in PubChem pathways. Read More... 1 result KIT - KIT proto-oncogene, receptor tyrosine kinase (human) Gene Symbols KIT Taxonomy: Homo sapiens (human) Gene Symbols KIT Taxonomy: Homo sapiens (human) Gene Symbols KIT proto-oncogene, receptor tyrosine kinase C-Kit; CD117; MASTC; ...; c-Kit protooncogene; ... Linked BioAcsays Count: 1058 Linked Pathways Count: 24 Source: Pathway: Patent

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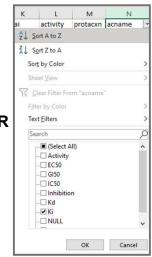


Finding a potential inhibitor (6/11)

Open the CSV file:

- The CSV file contains more detailed information
- You can filter or order the dataset based on measures of inhibition (K_i or IC50 values) or substrate binding (K_D)

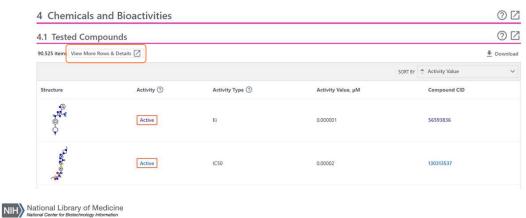


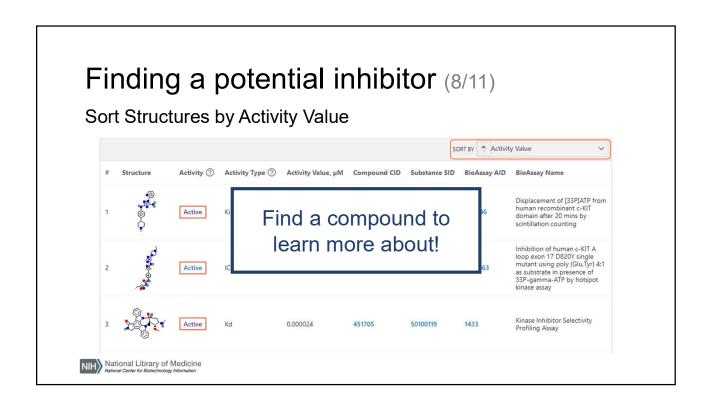




Finding a potential inhibitor (7/11)

Click View More Rows & Details for more information without downloading a file:





Finding a potential inhibitor (9/11)

Click on a relevant Compound CID for more information, including how to buy the compound:

