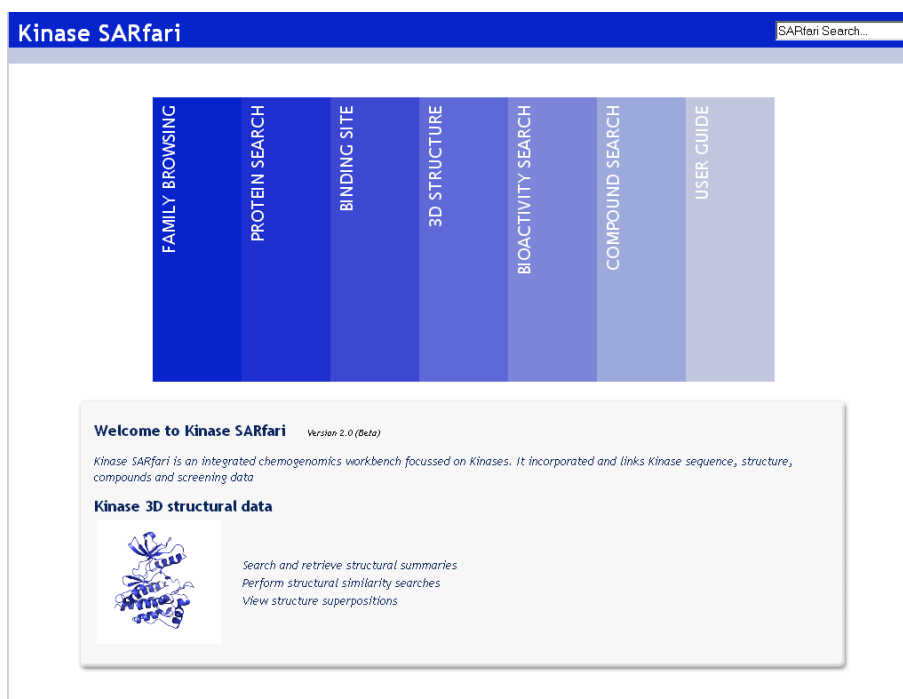


Kinase SARfari Testing Document

1. Go to Kinase SARfari Homepage:



2. Click of **Protein Search** navigation bar. You should be presented with the following page:

The screenshot shows the Protein Target Text Search page. At the top is a blue header with the text "Kinase SARfari" and a search bar labeled "SARfari Search...". Below the header is a navigation bar with seven buttons: "Family", "Protein", "Binding Site", "3D Structure", "Bioactivity", "Compound", and "User Guide". Below the navigation bar are two icons: "Keyword Search" and "BLAST Search". Below the icons is a form titled "Protein Target Text Search". The form has three columns: "User Input", "Protein Search Type", and "Organism". The "User Input" column has a large text box and a "Browse..." button. The "Protein Search Type" column has a dropdown menu labeled "Domain Name". The "Organism" column has two radio buttons: "All" and "Human Only". At the bottom of the form are two buttons: "Start Search" and "Clear Form".

3. In **User Input** box write 'cdk' and select 'All fields' from **Protein Search Type**:

Protein Target Text Search

User Input	Protein Search Type	Organism
<div>cdk</div> <div><input type="text"/> <input type="button" value="Browse..."/></div>	<div>All Fields</div>	<div> <input checked="" type="radio"/> All <input type="radio"/> Human Only </div>

4. After pressing **Start Search** you should be presented with 43 protein target hits:

Kinase SARfari [Family](#) [Protein](#) [Binding Site](#) [3D Structure](#) [Bioactivity](#) [Compound](#) [User Guide](#)

Protein Search Results: 43 Hits Please select...

<input type="checkbox"/>	Name	Organism	Level 2	Level 3	Level 4	Drugstore	Bioactivity	Compounds
<input type="checkbox"/>	AATK	Human	TK	Lmr	Lmr	0	0	0
<input type="checkbox"/>	CCRK	Human	CMGC	CDK	CCRK	0	0	0
<input type="checkbox"/>	CCRK	Human	CMGC	CDK	CCRK	0	0	0
<input type="checkbox"/>	CCRK	Human	CMGC	CDK	CCRK	0	0	0
<input type="checkbox"/>	CCRK	Human	CMGC	CDK	CCRK	0	0	0
<input type="checkbox"/>	CDK1	Human	CMGC	CDK	CDC2	0	0	0
<input type="checkbox"/>	CDK1	Human	CMGC	CDK	CDC2	0	0	0
<input type="checkbox"/>	CDK1	Human	CMGC	CDK	CDC2	0	1781	1552
<input type="checkbox"/>	CDC2L6	Human	CMGC	CDK	CDK8	0	0	0
<input type="checkbox"/>	CDC2L6	Human	CMGC	CDK	CDK8	0	0	0

5. Go to Kinase SARfari Homepage and click of **Compound Search** navigation bar. You should be presented with the following page:

Kinase SARfari [Family](#) [Protein](#) [Binding Site](#) [3D Structure](#) [Bioactivity](#) [Compound](#) [User Guide](#)

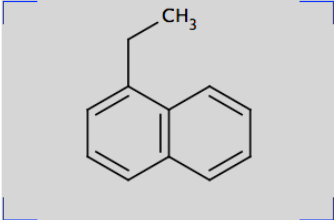
[Structure Search](#)
[Text Search](#)
[Compound Analysis](#)

Compound Search

User Input	Compound Search Type	Similarity Cut-Off
	<div>Substructure Search</div>	<div>100%</div>

6. In **User Input** box draw* the compound structure displayed below and select 'Substructure Search' from **Compound Search Type**:

Compound Search






User Input	Compound Search Type	Similarity Cut-Off	Compound Source
	Substructure Search	100%	All

(Double click on User Input to open Marvin Sketcher)

7. After pressing **Start Search** you should be presented with 45 compound target hits:

Kinase SARfari [Family](#) [Protein](#) [Binding Site](#) [3D Structure](#) [Bioactivity](#) [Compound](#) [User Guide](#)

Compound Search Results: 45 Hits Job Id: 362 ☒ Mini Report Card View Please select....

Reg. No.	Mol Weight	Synonyms	ALogP	PSA	HBA	HBD	#Ro5 Vio.
11200	MW 245.28 ALogP 3.30 PSA 41.57 HBA 2 HBB 1		#Ro5 Vio. 0 Sources SL Synonyms				
1668	MW 269.34 ALogP PSA HBA HBB		#Ro5 Vio. Sources SL Synonyms				
9937	MW 280.30 ALogP 3.74 PSA 44.89 HBA 1 HBB 2		#Ro5 Vio. 0 Sources SL Synonyms				
6726	MW 281.31 ALogP 2.73 PSA 38.76						
2942	MW 282.30 ALogP 3.73 PSA 34.14						
11555	MW 291.35 ALogP 3.44 PSA 57.78	