

CANCER **CANCER**

PDB Structure 2FSZ

Estrogen Receptor Beta

Tamoxifen

CANCER **CANCER**

1

ANTICANCER **ANTICANCER**

CSD Refcode TTAMOX01

Tamoxifen

Estrogen Receptor Beta

ANTICANCER **ANTICANCER**

1

CANCER **CANCER**

PDB Structure 2FSZ

Estrogen Receptor Beta

Tamoxifen

CANCER **CANCER**

2

ANTICANCER **ANTICANCER**

CSD Refcode TTAMOX01

Tamoxifen

Estrogen Receptor Beta

ANTICANCER **ANTICANCER**

2

CANCER **CANCER**

PDB Structure 1UWH

B-RAF Protein Kinase

Sorafenib

CANCER **CANCER**

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ANTICANCER **ANTICANCER**

CSD Refcode AXENOU

Sorafenib

B-RAF Protein Kinase

ANTICANCER **ANTICANCER**

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CANCER **CANCER**

PDB Structure 1UWH

B-RAF Protein Kinase

Sorafenib

CANCER **CANCER**

2

ANTICANCER **ANTICANCER**

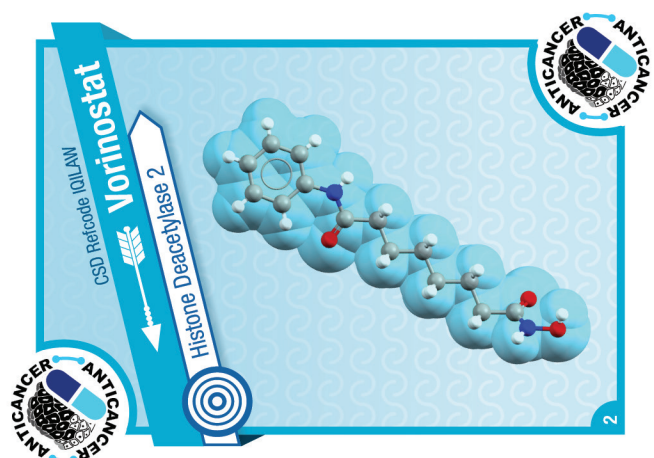
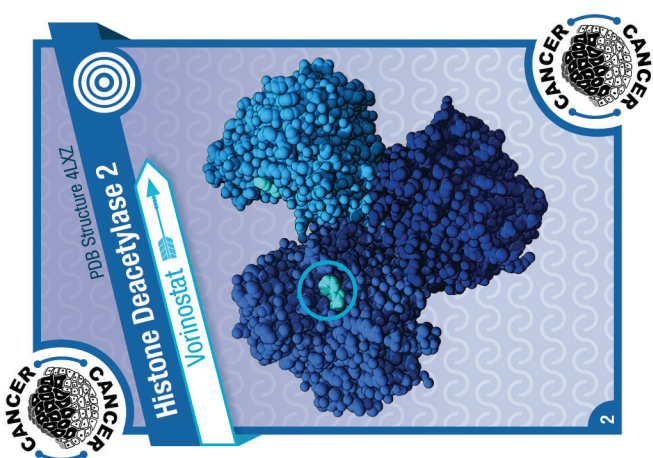
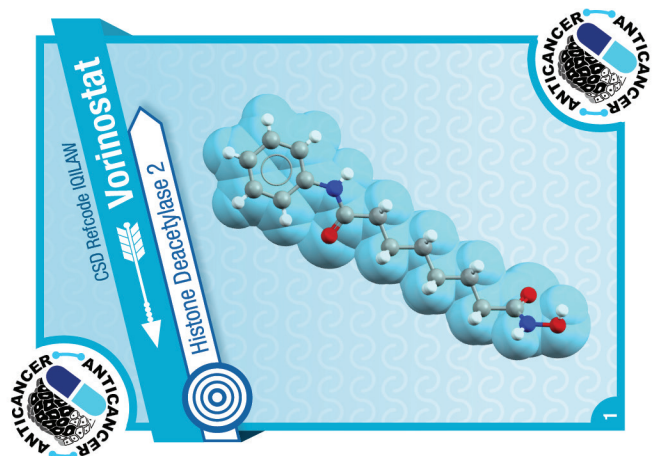
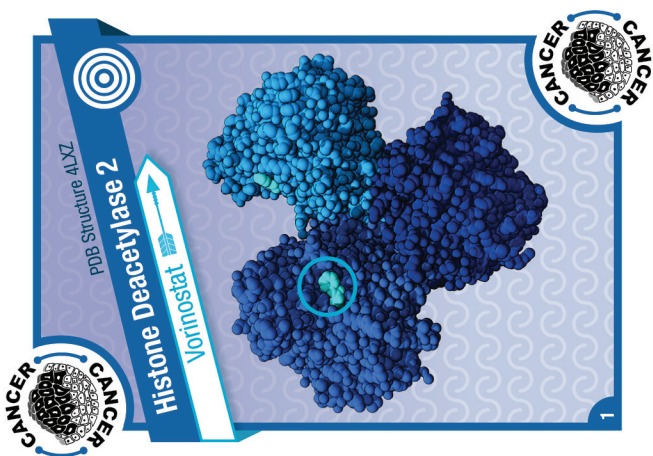
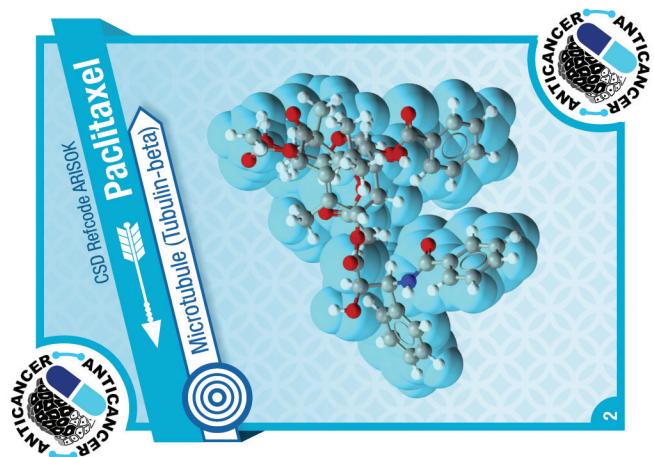
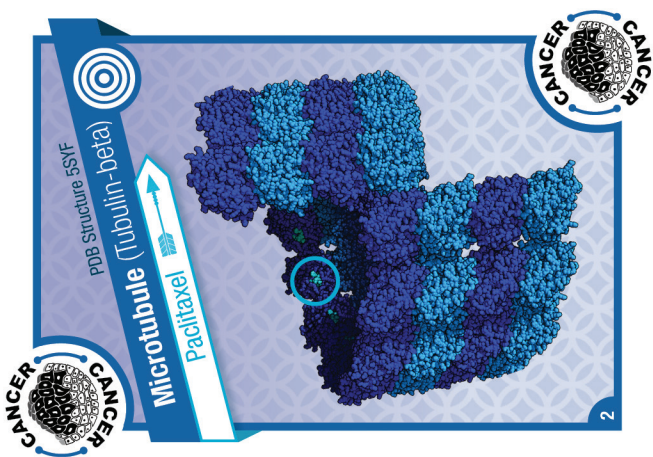
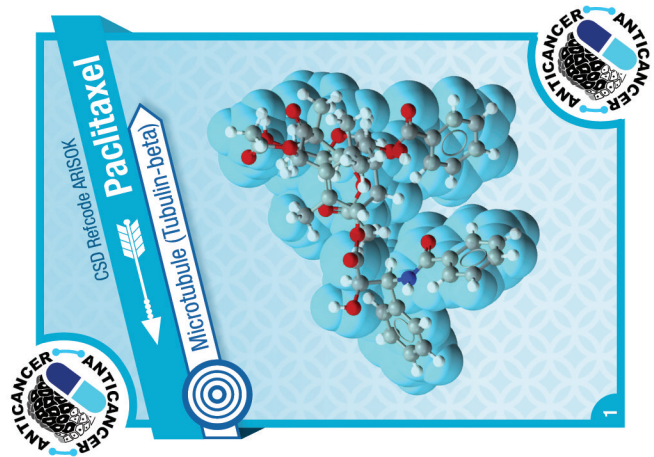
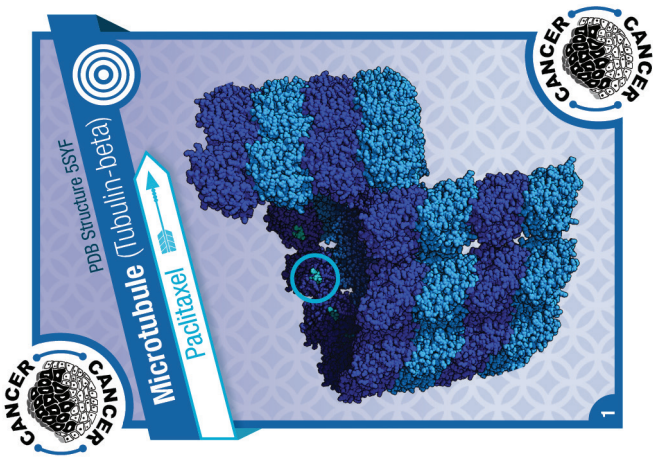
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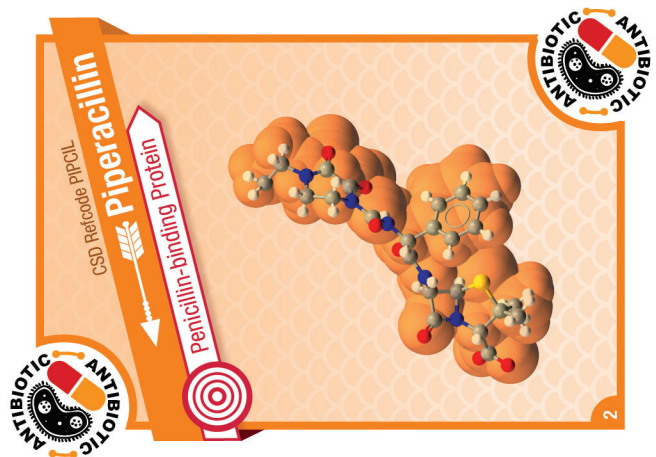
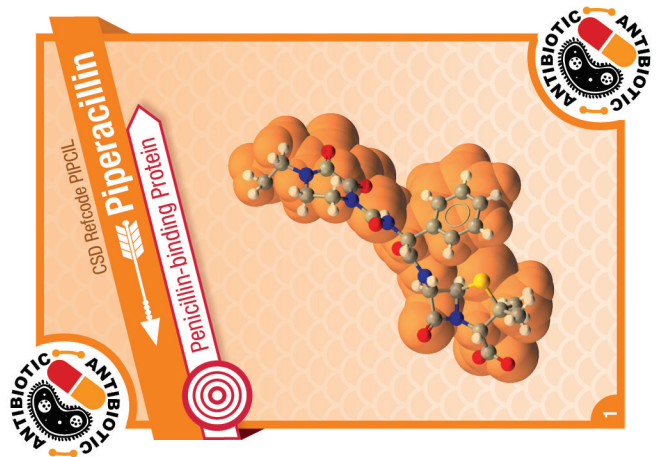
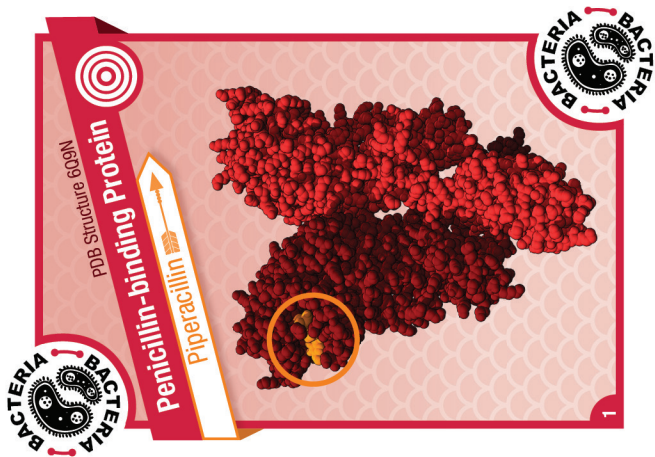
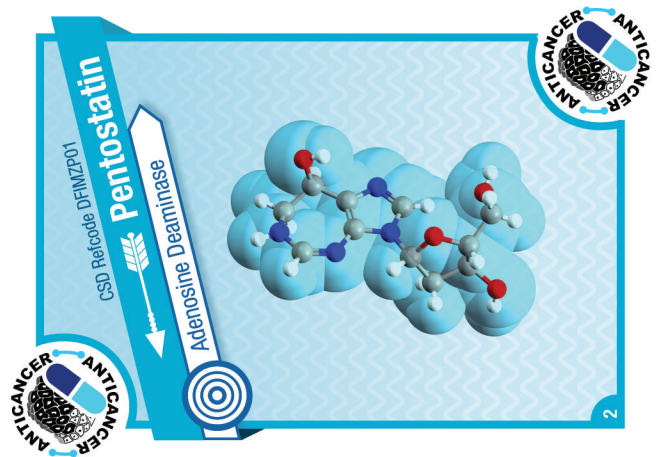
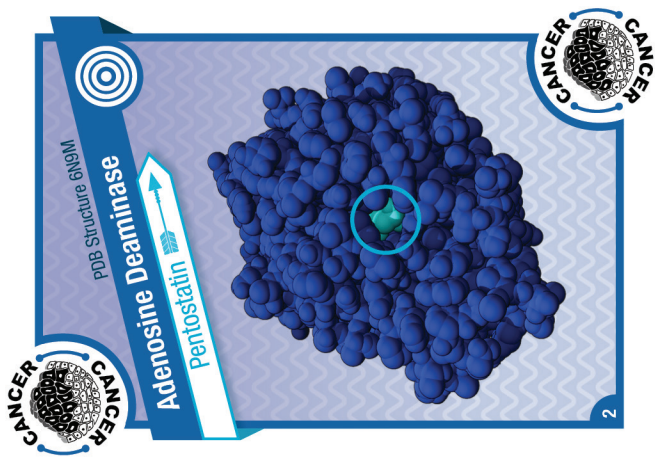
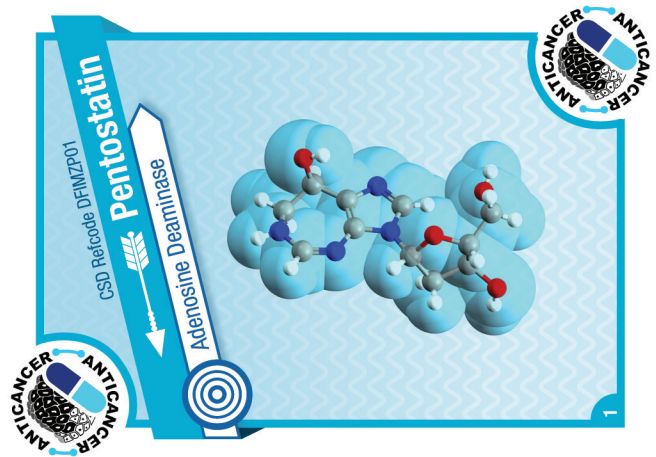
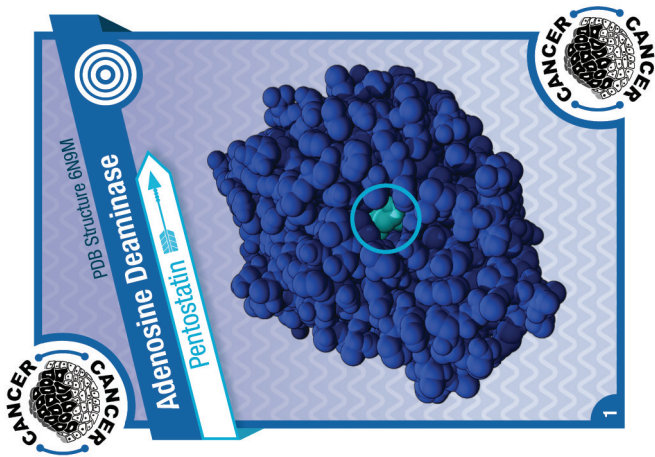
Sorafenib

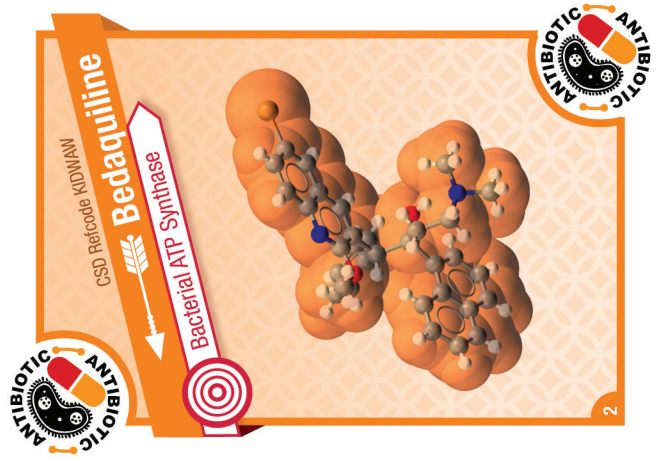
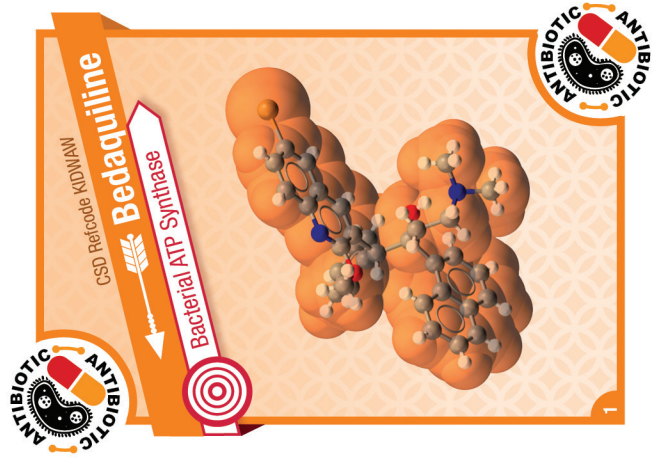
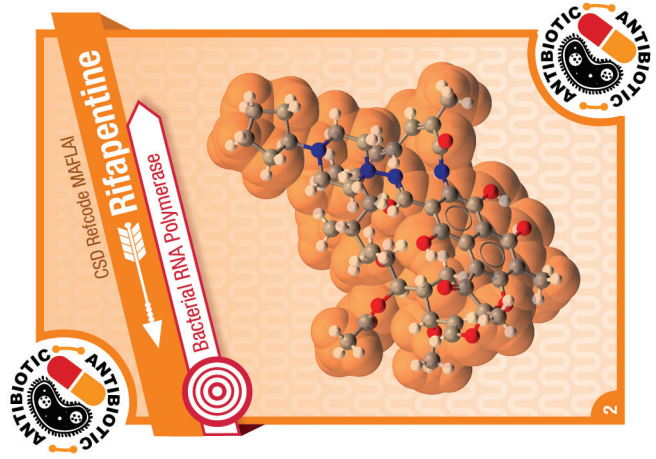
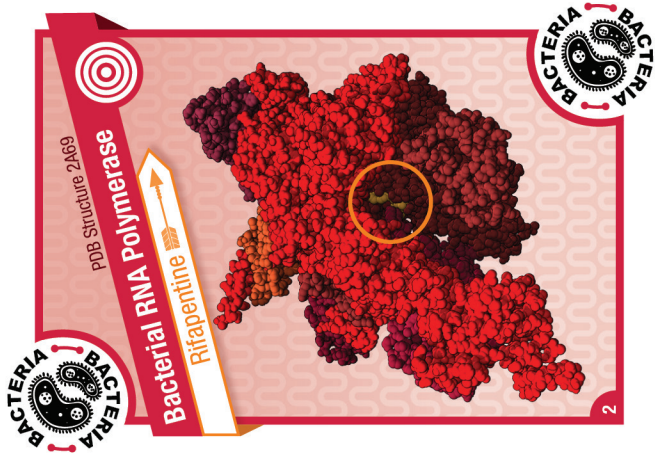
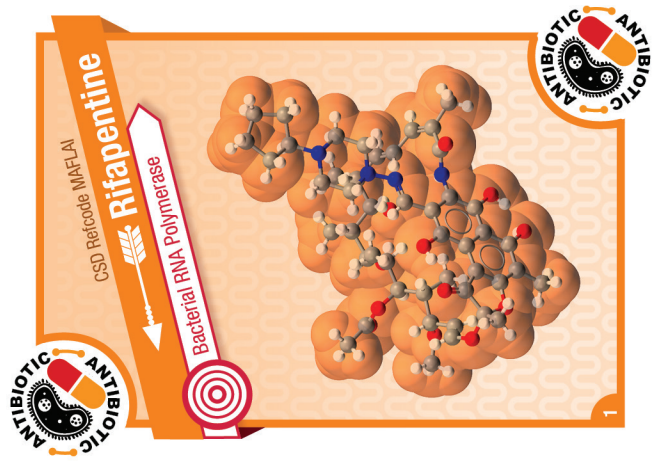
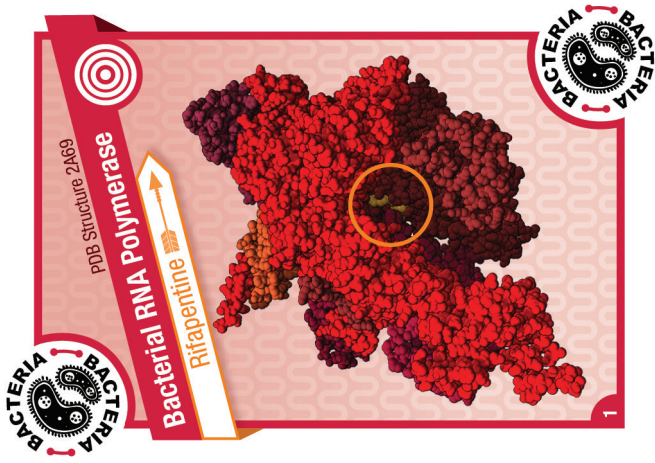
B-RAF Protein Kinase


ANTICANCER **ANTICANCER**

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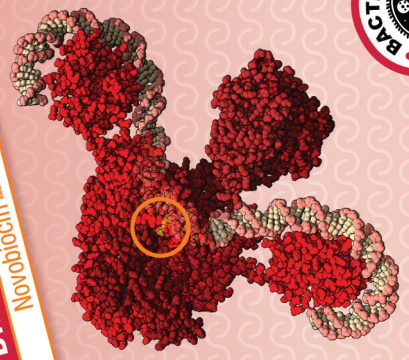



BACTERIA  **BACTERIA**

PDB Structure 6RKN


DNA Gyrase

Novobiocin



BACTERIA  **BACTERIA**

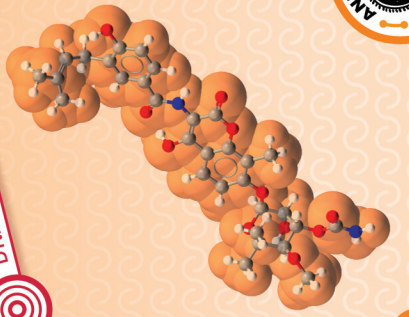
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ANTIBIOTIC  **ANTIBIOTIC**

CSD Refcode NIMBIO


Novobiocin

DNA Gyrase



ANTIBIOTIC  **ANTIBIOTIC**

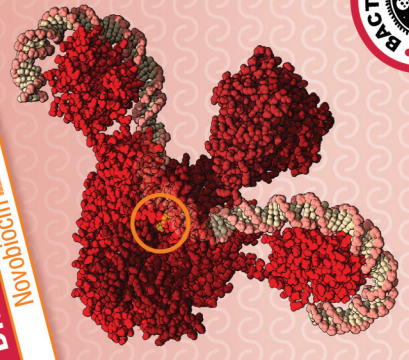
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BACTERIA  **BACTERIA**

PDB Structure 6RKN


DNA Gyrase

Novobiocin



BACTERIA  **BACTERIA**

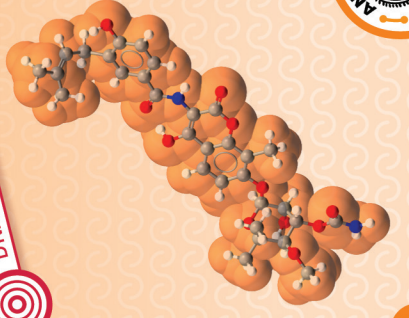
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ANTIBIOTIC  **ANTIBIOTIC**

CSD Refcode NIMBIO


Novobiocin

DNA Gyrase



ANTIBIOTIC  **ANTIBIOTIC**

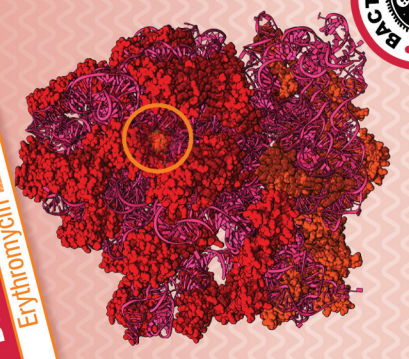
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BACTERIA  **BACTERIA**

PDB Structure 4N7U


Bacterial Ribosome

Erythromycin



BACTERIA  **BACTERIA**

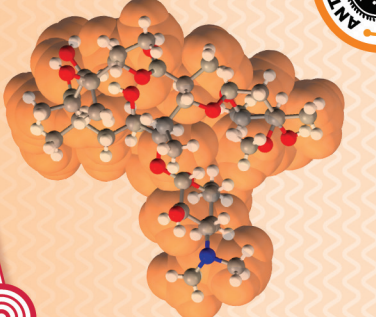
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ANTIBIOTIC  **ANTIBIOTIC**

CSD Refcode QIFKEX


Erythromycin

Bacterial Ribosome



ANTIBIOTIC  **ANTIBIOTIC**

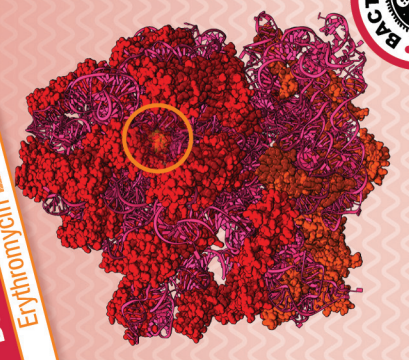
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BACTERIA  **BACTERIA**

PDB Structure 4N7U


Bacterial Ribosome

Erythromycin



BACTERIA  **BACTERIA**

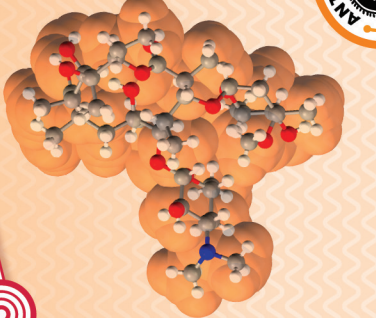
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ANTIBIOTIC  **ANTIBIOTIC**

CSD Refcode QIFKEX

Erythromycin

Bacterial Ribosome



ANTIBIOTIC  **ANTIBIOTIC**

2

VIRUS VIRUS

PDB Structure 6LOC

HIV Integrase

Raltegravir

VIRUS VIRUS

1

ANTIVIRAL ANTIVIRAL

CSD Refcode D1RC1S

Raltegravir

HIV Integrase

ANTIVIRAL ANTIVIRAL

1

VIRUS VIRUS

PDB Structure 6LOC

HIV Integrase

Raltegravir

VIRUS VIRUS

2

ANTIVIRAL ANTIVIRAL

CSD Refcode D1RC1S

Raltegravir

HIV Integrase

ANTIVIRAL ANTIVIRAL

2

VIRUS VIRUS

PDB Structure 3SFU

RNA-dependent RNA Polymerase

Ribavirin

VIRUS VIRUS

1

ANTIVIRAL ANTIVIRAL

CSD Refcode V1PAZL01

Ribavirin

RNA-dependent RNA Polymerase

ANTIVIRAL ANTIVIRAL

1

VIRUS VIRUS

PDB Structure 3SFU

RNA-dependent RNA Polymerase

Ribavirin

VIRUS VIRUS

2

ANTIVIRAL ANTIVIRAL

CSD Refcode V1PAZL01

Ribavirin

RNA-dependent RNA Polymerase

ANTIVIRAL ANTIVIRAL

2

VIRUS **VIRUS**

PDB Structure 7LUF

Herpesvirus DNA Polymerase

Acyclovir

VIRUS

1

ANTIVIRAL **ANTIVIRAL**

CSD Refcode RIGDES

Acyclovir

Herpesvirus DNA Polymerase

ANTIVIRAL

1

VIRUS **VIRUS**

PDB Structure 7LUF

Herpesvirus DNA Polymerase

Acyclovir

VIRUS

2

ANTIVIRAL **ANTIVIRAL**

CSD Refcode RIGDES

Acyclovir

Herpesvirus DNA Polymerase

ANTIVIRAL

2

VIRUS **VIRUS**

PDB Structure 7KJX

HIV Reverse Transcriptase

Nevirapine

VIRUS

1

ANTIVIRAL **ANTIVIRAL**

CSD Refcode PABH1J01

Nevirapine

HIV Reverse Transcriptase

ANTIVIRAL

1

VIRUS **VIRUS**

PDB Structure 7KJX

HIV Reverse Transcriptase

Nevirapine

VIRUS

2

ANTIVIRAL **ANTIVIRAL**

CSD Refcode PABH1J01

Nevirapine

HIV Reverse Transcriptase

ANTIVIRAL

2

3 BOUND!

- If a player receiving the request has **more than one card** of the requested **TYPE** or **NAME**, they may choose which of those cards to give to the requesting player.
- If two players have cards with the requested **NAME**, the requesting player decides which of those two players will give them their card.
- A player receiving a requested card must then immediately reveal a pair that matches in one of two ways:
 - A **Drug** and its specific **Target**. This pair remains on the table in front of the player and will be worth one (1) point at the end of the game.
Example: Ribosome + Erythromycin.
 - Two cards of the same TYPE**. These cards should be placed in the discard pile and do not score points.
Example: Erythromycin (Antibiotic) + Novobiocin (Antibiotic).
- The card that was requested does not have to be part of the matched pair that the player reveals.
- If the player does not receive the requested card, they must draw a card from the draw pile. They may then either lay down a matched Drug-Target pair, discard a pair of cards of the same Type, or pass.

1 BOUND!

In this game players compete to match the most drugs to protein targets

The deck features 15 pairs of matching drugs (A) and protein targets (B), each represented twice for 60 cards total. Each card has a **NAME** and a **TYPE**.

The **NAME** is listed on the top in the colored stripe (C). The **NAME** of the matching card is listed underneath on the white stripe (D). The **TYPE** (E) is identified by both a distinct color and a unique icon in the upper left corner of the card. There are six different card **TYPES** that encompass three varieties of target-drug pairing: Cancer (navy) to Anticancer (cyan), Bacteria (red) to Antibiotic (orange), and Virus (green) to Antiviral (lime green).



4 BOUND!

- The turn then ends and the player to the left takes their turn.
- If the draw pile is emptied, the discard pile is shuffled and becomes the new draw pile.
- The game ends when one player has no cards remaining in their hand.

Counting the results

- When the game has ended, players score:
 - One (1) point** for each matched Drug-Target pair they revealed during the game (see 8).
 - Cards remaining in players' hands do not score.
 - Cards discarded as matched TYPE pairs do not score (see 8).
 - The player who ended the game by emptying their hand scores an additional **three (3) points**.
 - The winners are the players with the highest point total. Ties are permitted.

For more information scan either of the QR codes on the back of the cards.

