## Supplementary Note 1

The following is the Chain-of-Thought (CoT) prompt used by CoMed to determine whether a description of combination drug use exists in a paper's abstract. The content enclosed in "{}" will be replaced with corresponding information. Specifically, "{abstract}" represents the abstract of the paper, "{entity\_1}" refers to the name of the first drug in the combination therapy, and "{entity\_2}" refers to the name of the second drug in the combination therapy.

This approach allows for dynamic insertion of the relevant abstract and drug names into the prompt, enabling CoMed to analyze the text systematically and accurately identify mentions of combination drug usage.

\*\*Abstract\*\*

{abstract}

\*\*Question1\*\*

Which sentences describe the combined use of {entity\_1} and {entity\_2}? If there is no corresponding sentence, please honestly output "not mentioned".

\*\*Question2\*\*

What do you think of the association between {entity\_1} and {entity\_2}? If there is no association, please output "no association"

\*\*Question3\*\*

Wait, is the combined use of {entity\_1} and {entity\_2} being over-interpreted?

\*\*Question4\*\*

Please finally determine whether the abstract mentions the combined use of {entity\_1} and {entity\_2}, and explain the reasons.