

Data preparation

Data curation (>6000 questions)

Semantic annotation

Manual review (pull request) 

Questions curation



Reviewed



Humans



35 respondents

209 diverse subset

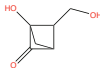
 chembench.org

...Rendered for humans

Question: What is the number of peaks in the ¹H NMR spectrum of a molecule with the SMILES OCC1C2CC1(O)C2=O?

...

Answer:



Models



Frontier closed-source models

...

Open-source models

Question: What is the number of peaks in the ¹H NMR spectrum of a molecule with SMILES [START_SMILES]OCC1C2CC1(O)C2=O[END_SMILES]?

...

Answer:

Leaderboard



Overall leaderboard



By-topic leaderboard

