

عنوان مقاله:

Biochemistry and NMR: A short review

محل انتشار:

ششمین کنفرانس ملی نوآوری و فناوری علوم زیستی شیمی ایران (سال: 1401)

تعداد صفحات اصل مقاله: 4

نویسنده:

Seyedmohammad Hosseiniyehzad - *Department of Chemistry, Faculty of Basic Science, Babol Noshirvani University of Technology, Babol, Iran*

خلاصه مقاله:

Developments in the NMR technique over the years have made it an excellent way to find and give information about the biochemistry field. This review provides evidence from the literature on the NMR of Gold-Based Drugs, NMR of Proteins, NMR of Metabolic, NMR of Compound-detected in-cell, NMR of Target-detected in-cell and Technical developments of NMR from ۲۰۰۰ to ۲۰۲۱. One bibliographical database was consulted (Web of Science), and a total of some studies were included in this paper based on our eligibility criteria. Our studies have shown that this technique is not yet advanced enough that it can be used alone to identify and study complex protein compounds, etc., and there are challenges in this area that need further investigation. And that most studies have been done for ^{13}C and ^1H nuclei, but less attention has been paid to other nuclei, especially ^{19}F .

کلمات کلیدی:

^{13}C NMR, ^1H NMR, Drug discovery, Dynamical analysis, Large proteins

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