

# Global PARP (Poly ADP-Ribose Polymerase) Inhibitor Market: Industry Analysis & Outlook (2018-2025)

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## **Abstracts**

PARP means poly (adenosine diphosphate [ADP] -ribose) polymerase. It is a family of 17 enzymes that combine several (poly) units of ADP-ribose in a chain (the PAR chain) and transfers them to the target proteins. This helps to restore DNA when it is damaged. DNA can be damaged by many factors, including exposure to UV rays, radiation, some anti-cancer drugs or other substances in the environment. PARP inhibitors block an enzyme critical to the repair of single stranded breaks in DNA. Inhibition of this DNA repair enzyme can lead to cell death, particularly in cancer cells that carry deficiency in other DNA repair pathways.

PARP inhibitors play an effective maintenance role in current cancer-combating strategies with its superior effect to that of existing ovarian cancer treatment. Currently, Talazoparib and Veliparib are in Phase III clinical trials and Rucaparib, Olaparib and Niraparib are approved PARP drugs which are currently present in the market for ovarian cancer. PARP inhibitors improve progression-free survival in women with recurrent ovarian cancer, sensitive to platinum.

The U.S. is the major market of PARP inhibitor supported by PARPi for ovarian cancer in the market. The U.S. region is likely to experience further growth of PARP inhibitor market with upcoming PARP inhibitors and growing cases of cancer.

The global PARP inhibitor market is expected to grow in future due to increasing ageing population, rising cancer incidences, rise in health expenditure and improving economic conditions and vast unmet medical need. Key trends in this market include a combination of PARP and immuno therapy, increasing awareness, development of biomarkers and strong research and development efforts. However, there are some factors which can hinder the market growth including side effects, resistance to PARP



inhibitors and regulatory challenges.

The report "Global PARP Inhibitor Market: Industry Analysis & Outlook (2018-2025)" by Koncept Analytics provides an extensive research and detailed analysis of the present market along with future outlook. The report discusses the major growth drivers and challenges of the market, covering the U.S. and Europe region along with the global market. The four major players: Tesaro Inc., Clovis Oncology, AstraZeneca and Abbvie Inc. are being profiled along with their key financials and strategies for growth.



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