

# Treating Refractory Hematological Malignancies – Myelodysplastic Syndromes (MDS) and Acute Myeloid Leukemia (AML): Emerging Therapeutics

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### **Abstracts**

The report provides an overview of the approved therapies for AML, MDS, unmet need and limitations of the current SOC for relapsed and refractory pts. The report highlights the competition and commercial opportunity in pursuing this therapy area – Comprehensive list of the early and late stage drugs in the clinic, their MoA and the companies developing them.

Detailed financial and competitive analysis of the companies leading in the race to launch new therapies for this indication – Ambit Biosciences, Onconova Therapeutics, SymBio Pharma, and Celgene are available as a separate or with the full report. Key M&A activities that have taken place in this area in the last 5 years and a list of products in early /late stages of development available for in-licensing are highlighted in the report. This report is built using primary and secondary research data and in-house proprietary database.



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# **About**

Targeting unmet needs in the treatment of cancer through innovative drugdevelopment strategies have witnessed favorable outcomes recently. New targetshave been validated in this process where kinases lead the way. The success hasboosted the innovative biotech sector and is reflected in the performance of the IPOs'since 2010 till date. Positive clinical data/ regulatory approval, lucrative partnership/acquisition announcement have increased the confidence of investors on innovationand whetted their appetite for risk associated with innovation.

Several companies that have recently made their debut in public (NASDAQ) areaddressing unmet needs/ niche indications with novel technology platforms/targets. Earlier, we had highlighted the investment opportunity and drugs being developed forRelapsed and Refractory Multiple Myeloma (RRMM). Approval of Kvprolis(carfilzomib, Onyx), Ponialyst (pomalidomide, Celgene) for this indication and theirsuccessful commercial launch validate the strategy deployed by the companies. Weexpect a similar scenario to unfold in the treatment of recurrent/ refractory MDS (RR-MDS, High-Risk MDS), and AML (relapsed/ refractory AML, R/R AML) and in thisreport highlight the new drugs and companies developing these drugs.

Innovative approach to treating unmet need has been handsomely rewarded in thepast through in-licensing or outright acquisition of the mature/nascentproduct/innovator company at a premium. The successful IPOs' of Ambit andOnconova are indicators of the optimism prevailing amongst the investors, Patientsand Physicians community. In this report, details of some of these deals are includedwhere acquirers like Celgene, Takeda, Astellas, Roche etc are reporting robust salesand progress in pipeline from these acquisitions. This once again reiterates the thesisthat R&D focus is essential and worth the risk for a pharma company. While some ofthe compounds are still in the clinic or even returned to the innovators on ground ofstrategic decisions taken by the management, it has not discouraged new companiesfrom pursuing new targets and compounds leaving room for in-licensing and/or M&Aopportunity drugs in the early stages of development. The report highlights some ofthose compounds available for partnering- "tapping them young".



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