

**"Marvel"ous Anti-Cancer Compound: Identification of a Novel, Fast-Acting Anti-Cancer Agent**

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A compound synthesized at UIUC in the 1960s was recently identified in a high-throughput screen of the Marvel Library to potently induce cell death in leukemia cells. Preliminary biological characterization has revealed that the molecule is capable of inducing cell death more rapidly than several commonly used anti-cancer agents. Furthermore, electron microscopy of treated cells implicates a non-classical mode of cell death. The identification of functional groups that are required for biological activity and possible mechanisms of action are presented.

