

針對第三、八型半乳糖凝集素來發展高活性及選擇性抑制物與臨床前試驗

主要領域 癌症治療

產品/技術簡介

- 優化各種半乳糖凝集素抑制劑的合成效能和選擇性，以及改善抑制物於血腦屏障的通透性和其藥代動力學/藥效學特徵，並針對不同疾病建立篩選平台和動物模型。

應用

- 針對第三型半乳糖凝集素 (galectin-3) 及第八型半乳糖凝集素 (galectin-8) 在阿茲海默氏疾病 (Alzheimer's disease)、B細胞淋巴瘤 (B cell lymphoma) 和乾癬 (psoriasis, 慢性複發性皮膚病) 中的藥物開發。

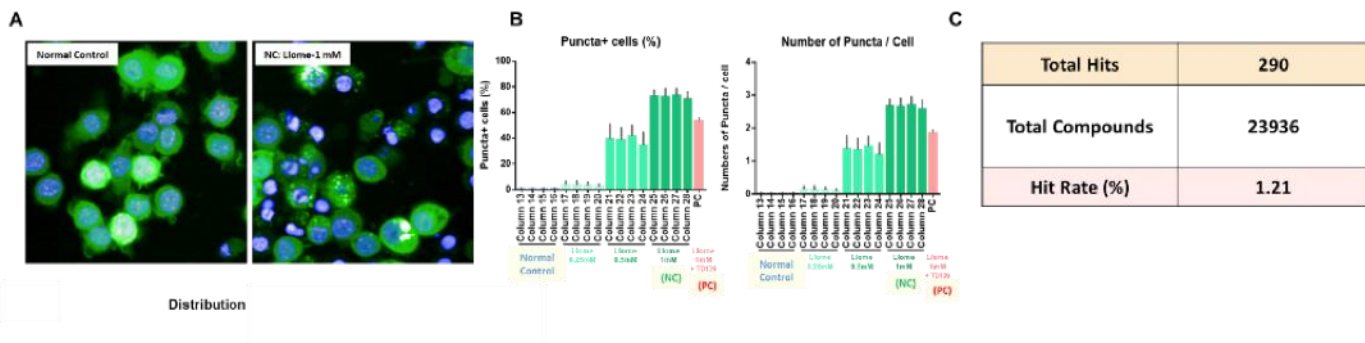
優勢

- 利用高通量篩選平台，可達到針對不同疾病快速篩選其合適的藥物分子。

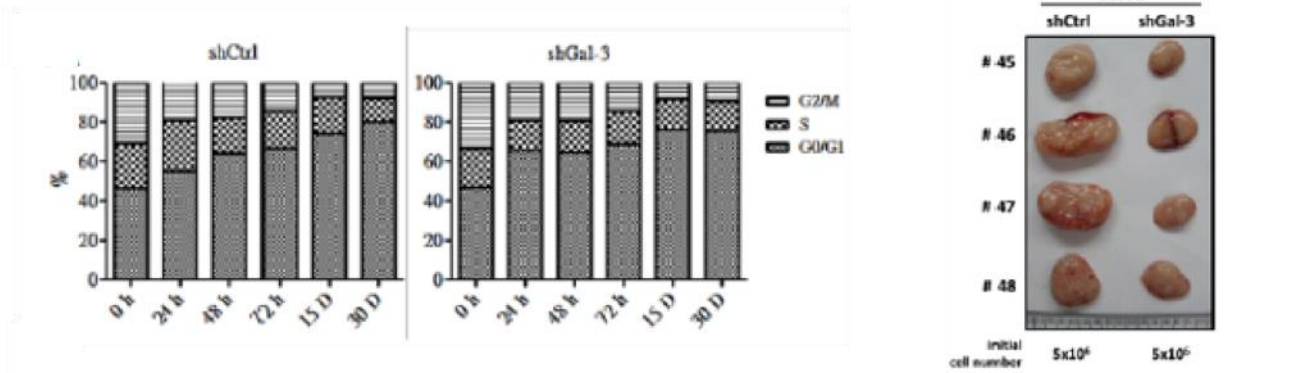
專利現況

- 申請中。

High throughput screening platform.



Effects of galectin-3 on Diffuse large B cell lymphoma.



Development of Potent and Selective Inhibitors for Targeting Galectins-3 and -8 in Preclinical Trials

Research Area Cancer Treatment

Technical statement

- Synthesize various galectin inhibitors to optimize the potency and selectivity, as well as the features of blood-brain-barrier permeability and pharmacokinetics/ pharmacodynamics.

Applications

- Target galectins-3 and -8 in Alzheimer's disease, B cell lymphoma and psoriasis (a chronic recurrent skin disease) for drug discovery.

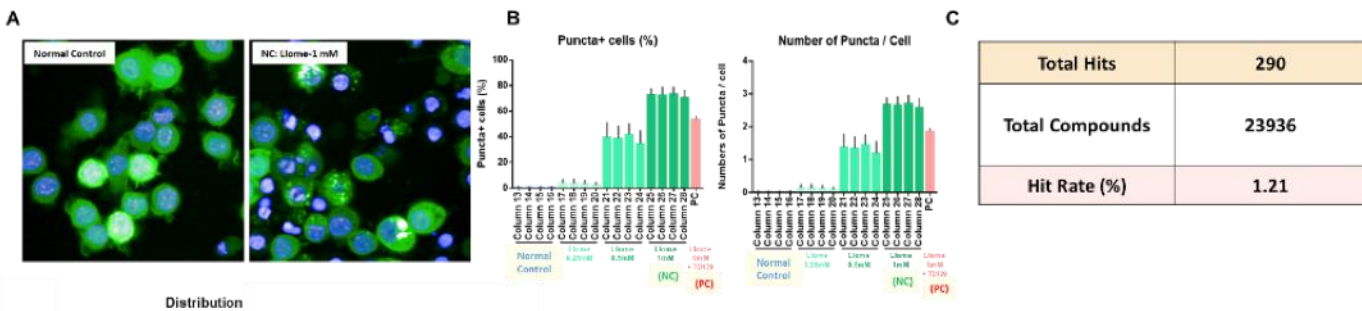
Advantages

- Use a high-throughput screening platform to rapid screening of suitable drug molecules for different diseases.

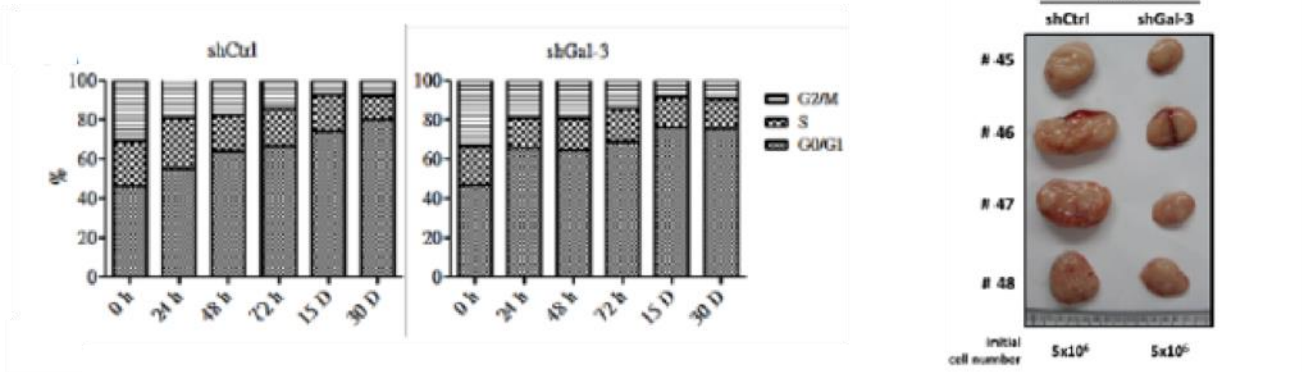
Patent status

- Ongoing.

High throughput screening platform.



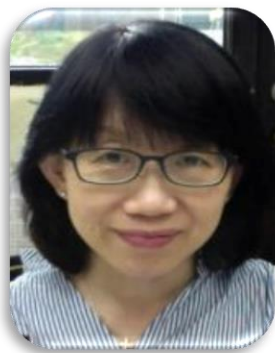
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