

# 發展治療神經退化性疾病的 新藥

## 主要領域

## 神經退化性疾病

### ■ 產品/技術簡介

- J4為平衡核苷轉運蛋白1 ( ENT1 ) 抑制劑，可協助細胞維持細胞內/外腺苷濃度之平衡。

### ■ 應用: 作為神經退化疾病之新藥！

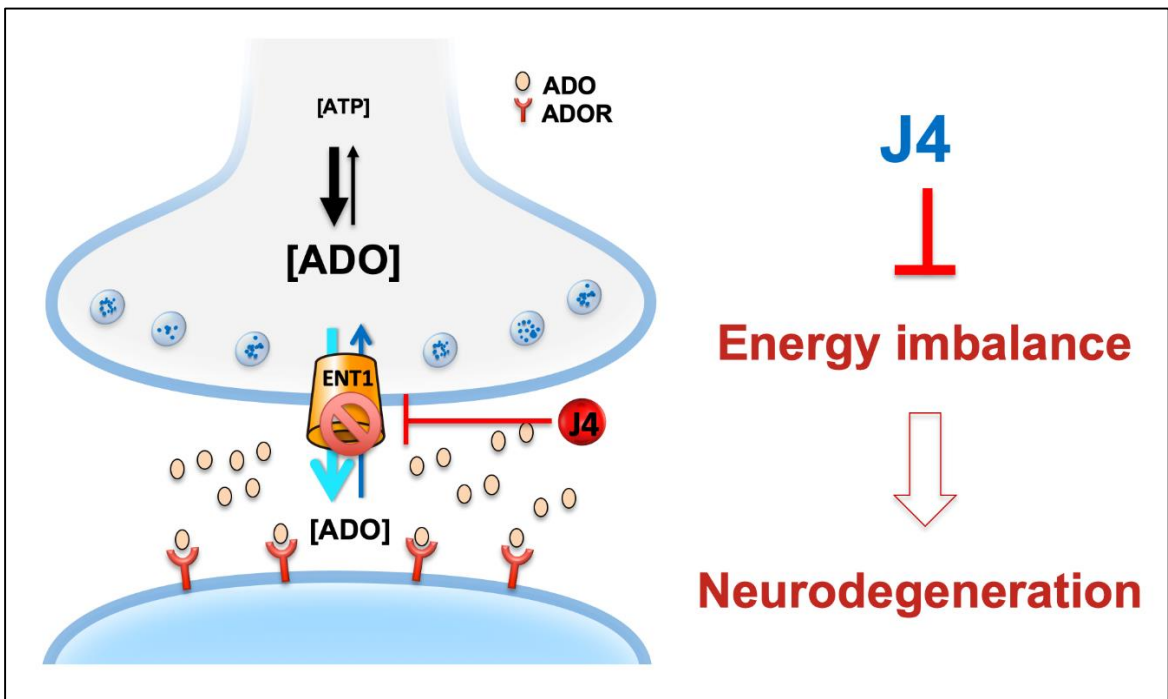
- 可用來治療輕度認知功能障礙者及阿茲海默症患者之認知功能缺損。
- 可用來治療亨丁頓舞蹈症病患之運動功能缺損。

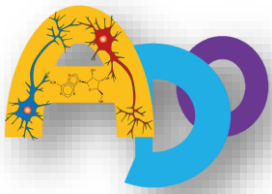
### ■ 優勢

- 市面上尚無有效治療阿茲海默症或亨丁頓舞蹈症之藥物。
- J4為具獨特作用機制的小分子口服藥物。

### ■ 專利現況

- Taiwan Patent: 發明第I650328 號 (2019/02/11 - 2034/11/10)、發明第I668007號 (2019/08/11 - 2034/11/10)
- China Patent No.: ZL 201480058727.3 (2018/12/14 - 2034/10/22)
- EP Patent No.: EP 306056B1 (2018/09/05 - 2034/10/22)
- USA Patent No.: US 10,301,348 B2 (2019/05/28 - 2035/11/27)
- Australia Patent No.: 2014340114 (2019/01/31 - 2034/10/22)
- Japan Patent No.: 特許第6534997 號(2019/06/07 - 2034/10/22)
- Russia Patent No.: 2695358 (2019/07/23 - 2034/10/22)





# Preclinical Studies on New Drug for Neurodegenerative Diseases

## Research Area

## Neurodegenerative Disease

### Technical statement

- J4 is an ENT1 inhibitor that maintains the balance of adenosine levels inside and outside of the cell.

### Applications: *New drug for neurodegenerative diseases !*

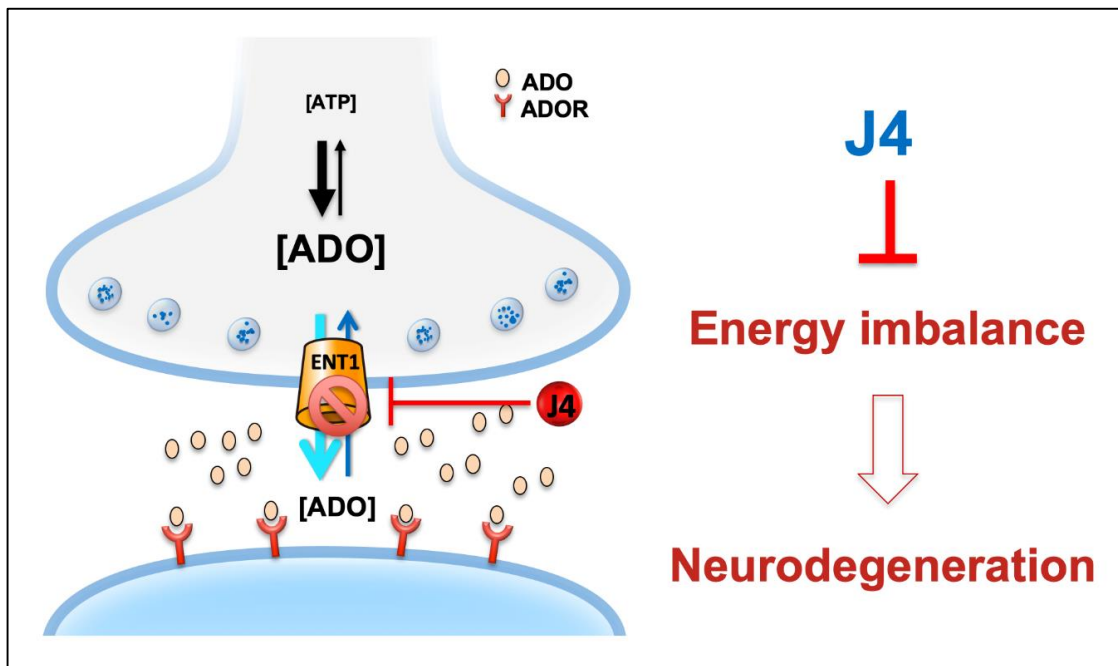
- To treat subjects with Mild Cognitive Impairment (MCI) or Alzheimer's disease (AD) for impaired cognitive function.
- To treat patients with Huntington's disease (HD) for impaired motor functions.

### Advantage

- No effective drug is currently available for AD and HD.
- J4 is a first-in-class, orally active compound with a distinct mechanism of action.

### Patent status

- Taiwan Patent: 發明第I650328 號 (2019/02/11 - 2034/11/10) 、發明第I668007 號 (2019/08/11 - 2034/11/10)
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