Novel Five-Membered Iminocyclitol Derivatives as Selective and Potent Glycosidase Inhibitors: New Structures for Antivirals and Osteoarthritis Therapeutics

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智財權狀態

美國臨時案已申請、PCT已申請、台灣(發明)已申請、美國7,919,521放棄維護、美國8,273,788放棄維護

摘要

A novel 5-membered iminocyclitol derivative is found to be a potent and selective inhibitor of the glycoprotein processing α-glucosidase. It has alos been shown as effective further developed into antiviral agent against Japanese encephalitis virus, dengue virus serotype 2 (DEN-2), human SARS coronavirus. In addition, it can inhibit human β-hexoaminidase, a new target for development of osteoarthritis therapeutics.

技術優勢

Novel compound Low IC 50 New target for development of osteoarthritis therapeutics

應用範圍

Antivirals and Osteoarthritis Therapeutics

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