

(12) **UK Patent Application**

(19) **GB** (11) **2 437 456** (13) **A**

(43) Date of Printing by UK Office **24.10.2007**

(21) Application No: **0714337.3**

(22) Date of Filing: **22.12.2005**

(30) Priority Data:
(31) **60638100** (32) **22.12.2004** (33) **US**

(86) International Application Data:
PCT/CN2005/002282 En 22.12.2005

(87) International Publication Data:
WO2006/066511 En 29.06.2006

(71) Applicant(s):
**The University of Hong Kong
(Incorporated in Hong Kong)
Pokfulam Road, Hong Kong, Hong Kong**

(72) Inventor(s):
**Chiming Che
Kwokfai So
Hiutung Iona Sham
Paul Michel Georges Vanhoutte**

(74) Agent and/or Address for Service:
**R G C Jenkins & Co
26 Caxton Street, London, SW1H 0RJ,
United Kingdom**

(51) INT CL:
A61K 33/14 (2006.01) **A61K 31/09** (2006.01)
A61K 31/357 (2006.01) **A61K 31/395** (2006.01)
A61P 27/06 (2006.01)

(52) UK CL (Edition X):
NOT CLASSIFIED

(56) Documents Cited by ISA:
JP 060116280 A US 5705689 A
US 5132436 A

(58) Field of Search by ISA:
INT CL **A61K, A61P**
Other: **CNKI, Chinese chemicals patent database,
Medicine Abstract. ONLINE: WPI,
EPODOC, PAJ, CPRS, CAS, MEDLINE.**

(54) Abstract Title: **Diazene-bridged crown ether lithium compounds and methods for their use**

(57) This invention provides a method for treating an eye disease in a patient comprising: providing a photosensitive prodrug that releases upon exposure to light an active ingredient to treat the eye disease; administering the prodrug in a pharmaceutically accepted vehicle to the subject, and exposing the eye of the subject to an external light source to cause the prodrug to release the active ingredient. This invention also provides a composition for the treatment of glaucoma, comprising a compound containing a lithium ion-chelated in a crown ether- or aza-crown ether-containing chromene or diazene derivative and a pharmaceutically acceptable carrier.