GALGOTIAS UNIVERSITY
Uttar Pradesh
CREATING KNOWLEDGE

3.4.3

Number of Patents Published / Awarded 2017

Galgotias University

Plot No. 2, Yamuna Expressway,
Opposite, Buddha International Circuit,
Sector 17A, Greater Noida,
Uttar Pradesh 203201, India

3.4.3 Number of Patents published/awarded during the last five years (10)

3.4.3.1: Total number of Patents published/awarded year wise during the last five years

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
P.PARTHIBAN R.DHANALAKSHMI P.MATHIYALAGAN P.GOPAL	201741005778	Face detection password and eye blinking cursor control computer	2017
PROF. ARVIND KUMARJAIN PROF. IMRAN ALI	201711032188	A new process for the preparation of keto oxazoline	2017
Amit Singh Prof. Pramod Kumar Sharma Dr Dipak Kanti Majumdar	201612040094	FORMULATION OF NOVEL NIOSOMAL CARRIERS FOR TREATMENT OF FUNGAL INFECTIONS AND METHODS THEREOF	2017
Amit Singh Prof. Pramod Kumar Sharma Dr Dipak Kanti Majumdar	201612040093	DEVELOPMENT OF LIPOSOMAL FORMULATION FOR FUNGAL INFECTIONS AND METHODS THEREOF	2017

Patent Search

Invention Title	FACE DETECTION PASSWORD AND EYE BLINKING CURSOR CONTROL COMPUTER
Publication Number	14/2017
Publication Date	07/04/2017
Publication Type	INA
Application Number	201741005778
Application Filing Date	17/02/2017
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06F 3/00

Inventor

Name	Address	Country
P.PARTHIBAN	Assistant Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli-620015, Tamil Nadu	India
R.DHANALAKSHMI	Associate Professor, Department of Computer Science and Engineering, National Institute of Technology Nagaland, Dimapur- 797103	India
P.MATHIYALAGAN	Professor, School of Mechanical Engineering, Galgotias University, Plot No 2, Sector 17-A, Yamuna Expressway, Greater Noida, Gautam Buddh Nagar, UP – 203 201	India
P.GOPAL	Department of Automobile Engineering, Anna University-BIT Campus, Tiruchirappalli – 620 024, Tamilnadu	India

Applicant

Name	Address	Country
P.PARTHIBAN	Assistant Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli-620015, Tamil Nadu	India

Abstract:

ABSTRACT Face Detection Password and Eye Blinking Cursor Control Computer This invention discloses a novel method of using eye movement of a user to control tl of a cursor in the computer. Instead of using a mouse to point and click at a point on the display screen, the user can use his eyes. The user has to focus on a particu the display screen of the computer and he should blink. This is recognized by the computer system as a relevant input of the user.

Complete Specification

Claims:CLAIMS
I Claim :
1. A human system interface (HSI) for communication between a user and any electronic device, comprising :
a) an electronic display system along with a CPU;
b) at least one infrared transmitter capable of transmitting IR waves directed towards the face of the user present before the electronic display system and at leas infrared receiver sensor, capable of receiving the reflected IR waves;
c) such electronic display system displaying the position of the cursor on the display screen and wherein such position of the cursor on the display screen can be controlled by the position and movement of the eyes of the user present before the system, by means of detecting the position of the eyes and the movement of e which in turn is achieved by Infra red rays which are reflected by the eyes of the user.
2. The invention as claimed in claim 1, wherein the open or closed condition of the eye of the user is detected using the Infra red Receiver based on the reflected such that a relatively higher output is recognized as a closed eye and a relatively lower output is recognized as an open eye.
3. The invention as claimed in claim 1, wherein the position of the cursor moves on the display screen based on the movement of the eye ball iris.
4. The invention as claimed in claim 1, wherein a single blink of the eyes of the user for a small time interval is recognized as equivalent to a single click of a mouse quick blinking of the eyes for two times is construed as equivalent to a double click of the mouse.
Digitally signed

View Application Status

Page last updated on: 26/06/2019

Patent Search

Invention Title	"A NEW PROCESS FOR THE PREPARATION OF KETO OXAZOLINE"
Publication Number	43/2017
Publication Date	27/10/2017
Publication Type	INA
Application Number	201711032188
Application Filing Date	12/09/2017
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	C07J41/00

Inventor

Name	Address	Country
PROF. ARVIND KUMAR JAIN	GALGOTIAS UNIVERSITY PLOT NO. 2, SECTOR 17-A, YAMUNA EXPRESSWAY, GREATER NOIDA, GAUTAM BUDDH NAGAR, UTTAR PRADESH-201310, INDIA	India
PROF. IMRAN ALI	DEPARTMENT OF CHEMISTRY, JAMIA MILLIA ISLAMIA (CENTRAL UNIVERSITY) JAMIA NAGAR, NEW DELHI-110025, INDIA	India

Applicant

Name	Address	Country
PROF. ARVIND KUMAR JAIN	GALGOTIAS UNIVERSITY PLOT NO. 2, SECTOR 17-A, YAMUNA EXPRESSWAY, GREATER NOIDA, GAUTAM BUDDH NAGAR, UTTAR PRADESH-201310, INDIA	India
PROF. IMRAN ALI	DEPARTMENT OF CHEMISTRY, JAMIA NAGAR, NEW DELHI-110025, INDIA	India

Abstract:

the present invention provide new process for preparation for preparation of keto oxazoline compounds of formula (I).where oxazoline moietie and ketonic moieties to carbon atom adjacent to each other, keto group is at (3 position from the benzene ring, R| and R2 are independently hydrogen, optionally alkyl, aryl or optionally s poly aryl, optionally substituted lower alkyl, or R|, R2 combined together with carbon atom through which they are attached, from an optionally substituted 6-membe aromatic, aliphatic or 5-membered aromatic or aliphatic ring provided that R| and R2 are attached to carbon atom adjacent to each other; R3 is Alkyl, Aryl, substitute aryl, Chloro alkyl or Chloro aryl; or an enantiomeric mixture thereof ; Comprising the step containing an alkyne acylamino alcohol using copper reagent, the present i efficiently converts the alkyne acylamino alcoholic compound in to highly chemo selective Keto oxazoline compounds with remarkable verity of substrate ; mild react with higher conversion.

Complete Specification

Field of the invention
The present invention relates to the process for the preparation of keto oxazoline.
Background of the invention
Oxazoline are very interesting class of hetrocycles with wide range of application in organic chemistry. Carboxylic acid or (3-amino alcohols can be protected as 2-oxazoline, 2-Oxazolines have been used as building blocks in organic synthesis. Oxazoline compounds are five member nitrogen hetrocycles present in some biologically active natural products; optically active oxazolins have been proven to be useful as effective auxiliaries and ligands for selected asymmetric synthesis. Oxazolins have been used as monomers in ring opening polymerizations and have been used as protecting groups for carboxyl moieties in organic synthesis. Oxazolines are valuable intermediates in organic synthesis.
Several methods have been developed for synthesis of oxazolin compounds. The most common synthesis method is by dehydrative cyclization of N-acylamino alcohols. Acid-insensitive substrates such as molybdenum oxide, BF3.Et20 and TsOH, as Lewis or bronsted acid catalyst have been used for cyclisation reaction as reported by A Sakakura and et al. Org. lett., 7, 1971-

View Application Status

Patent Search

Invention Title	FORMULATION OF NOVEL NIOSOMAL CARRIERS FOR TREATMENT OF FUNGAL INFECTIONS AND METHODS THEREOF
Publication Number	26/2017
Publication Date	30/06/2017
Publication Type	INA
Application Number	201612040094
Application Filing Date	23/11/2016
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	PHARMACEUTICALS
Classification (IPC)	A61K31/40

Inventor

Name	Address	Country	Natio
Amit Singh	(Associate Professor) R. V. Northland Institute Dadri, Gautam Buddh Nagar, UP	India	India
Prof. Pramod Kumar Sharma	School of Medical Allied Sciences, Galgotias University, Greater Noida, G B Nagar, Uttar Pradesh, India	India	India
Dr Dipak Kanti Majumdar	C-8, IDPL Apartment Plot No. G.H. 10 Sec. 10 A, Gurgaon-122001	India	India

Applicant

Name	Address	Country	Natio
Amit Singh	(Associate Professor) R. V. Northland Institute Dadri, Gautam Buddh Nagar, UP	India	India
Prof. Pramod Kumar Sharma	School of Medical Allied Sciences, Galgotias University, Greater Noida, G B Nagar, Uttar Pradesh, India	India	India
Dr Dipak Kanti Majumdar	C-8, IDPL Apartment Plot No. G.H. 10 Sec. 10 A, Gurgaon-122001	India	India

Abstract:

In the present study we were able to encapsulate fluconazole in vesicles like niosomes. The observed responses were in close agreement with the predicted value of optim formulation that demonstrated the feasibility of the optimization procedure in developing vesicles and nano-sized formulations. The optimized, designed systems have be found reasonably well in their characteristics like size, shape, entrapment, loading, polydispersity index, stability, microbiological assay, ex-vivo and in-vivo performance.

Complete Specification

FIELD OF THE INVENTION

This invention relates to the novel drug delivery systems such niosomes which are able to deliver sustained release of fluconazole with improved, Cmax and bioavailability.

BACKGROUND OF THE INVENTION

The most desirable and convenient method for drug administration is oral route but due to few limitations related to this route led to research on some alternative routes and delivery systems. Fluconazole is widely used for treatment of fungal infections. Several classes of antifungal gave been employed in candidiasis treatment, but patients with advanced immunodeficiency can present unsatisfactory results after therapy. In these cases, high doses and frequency of drugs or the use of multiple agents of conventional tablet, capsule, cream and solution forms are used and hence increasing the risk of serious side effects and less patient's compliance.

Liposome, niosome and nanospheres of drug formulations have been reported to have good accumulation of drug at the administration site (thus improving enhanced transdermal delivery and therapeutic efficacy) and to have fewer side effects than plain formulations. These systems are also helpful in certain local topical and vaginal delivery where entrapment of drug in vesicles is viewed to

View Application Status

Patent Search

Invention Title	DEVELOPMENT OF LIPOSOMAL FORMULATION FOR FUNGAL INFECTIONS AND METHODS THEREOF
Publication Number	26/2017
Publication Date	30/06/2017
Publication Type	INA
Application Number	201612040093
Application Filing Date	23/11/2016
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	PHARMACEUTICALS
Classification (IPC)	A61K9/127

Inventor

Name	Address	Country	Natio
Amit Singh	(Associate Professor) R. V. Northland Institute Dadri, Gautam Buddh Nagar, UP	India	India
Prof. Pramod Kumar Sharma	School of Medical Allied Sciences, Galgotias University, Greater Noida, G B Nagar, Uttar Pradesh, India	India	India
Dr Dipak Kanti Majumdar	C-8, IDPL Apartment Plot No. G.H. 10 Sec. 10 A, Gurgaon-122001	India	India

Applicant

Name	Address	Country	Natio
Amit Singh	(Associate Professor) R. V. Northland Institute Dadri, Gautam Buddh Nagar, UP	India	India
Prof. Pramod Kumar Sharma	School of Medical Allied Sciences, Galgotias University, Greater Noida, G B Nagar, Uttar Pradesh, India	India	India
Dr Dipak Kanti Majumdar	C-8, IDPL Apartment Plot No. G.H. 10 Sec. 10 A, Gurgaon-122001	India	India

Abstract:

In the present study we were able to encapsulate fluconazole in vesicles like liposomes. The observed responses were in close agreement with the predicted value of optir formulation that demonstrated the feasibility of the optimization procedure in developing vesicles and nano-sized formulations. The optimized, designed systems have be found reasonably well in their characteristics like size, shape, entrapment, loading, polydispersity index, stability, microbiological assay, ex-vivo and in-vivo performance.

Complete Specification

FIELD OF THE INVENTION

This invention relates to the novel drug delivery systems such as liposomes, which are able to deliver sustained release of fluconazole with improved, Cmax and bioavailability.

BACKGROUND OF THE INVENTION

The most desirable and convenient method for drug administration is oral route but due to few limitations related to this route led to research on some alternative routes and delivery systems. Fluconazole is widely used for treatment of fungal infections. Several classes of antifungal gave been employed in candidiasis treatment, but patients with advanced immunodeficiency can present unsatisfactory results after therapy. In these cases, high doses and frequency of drugs or the use of multiple agents of conventional tablet, capsule, cream and solution forms are used and hence increasing the risk of serious side effects and less patient's compliance.

Liposome, niosome and nanospheres of drug formulations have been reported to have good accumulation of drug at the administration site (thus improving enhanced transdermal delivery and therapeutic efficacy) and to have fewer side effects than plain formulations. These systems are also helpful in certain local topical and vaginal delivery where entrapment of drug in vesicles is viewed to

View Application Status