Cannabis Medicinal: Uma novidade Milenar

Mestre Fabiano Soares de Araújo

Curitiba, 14 de dezembro de 2018

Imperador Chen Nong

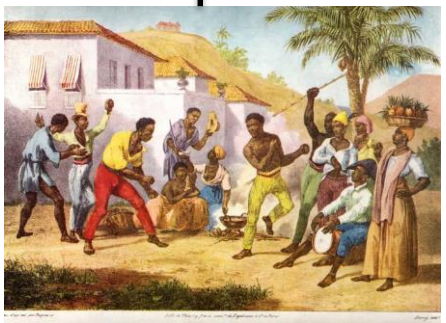
- Cólicas menstruais
- Anestésico para Cirurgias
- Cicatrizante
- Infecções cutâneas
- Vermicida (sementes)

Pen-Tsau (Ching)

2800 a.C[a] | 1000 a.C.[b] | séc I a.C[a] | séc XV d.C[b]

Índia

- Prisão de Ventre
- Falta de concentração
- Malária
- Doenças Ginecológicas



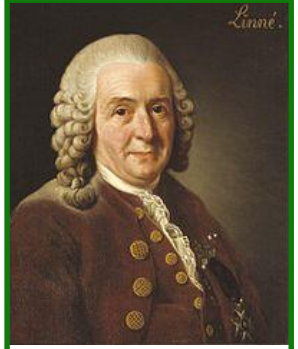
Chegada ao Brasil

[a]HUI-LIN, *The origin and use of Cannabis em Easten Asia*, Economy Botany 28, 1974 293-301. Imagens ilustrativas

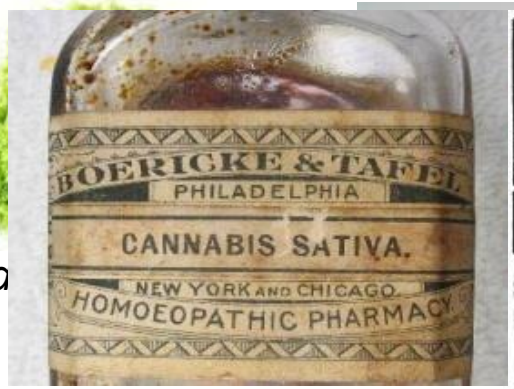
[b]Bernardo Gontiès; ; Revvista de humanidades; UFRN, V.4 - N.7 - fev./mar. de 2003

Cannabis – do Latim.

Sativa – aquela que é cultivada; semeada pelo homem.



Carl Lennaeus
Cannabis sativa

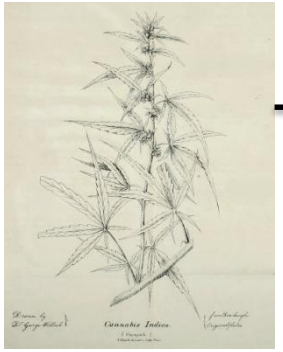


La *tiva*
úcar

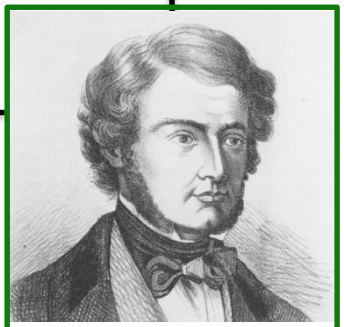
1753

1842

séc. XX

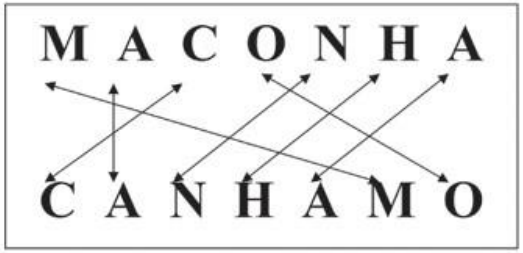


Journal of the Asiatic Society of Bengal



William
O'Shaughnessy

- Dores
- Insônia
- Reumatismo
- Convulsão
- Espasmos



Conferência Internacional do Ópio

1924

Lei de Taxação da Marihuana

1937

1938

Lei 891/38

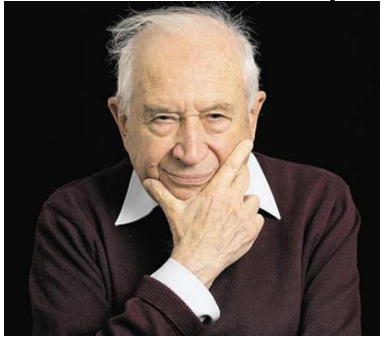
1961

Inclusão na lista de narcóticos da ONU

Não havia pleno conhecimento dos princípios ativos da *Cannabis sativa*!!

1964

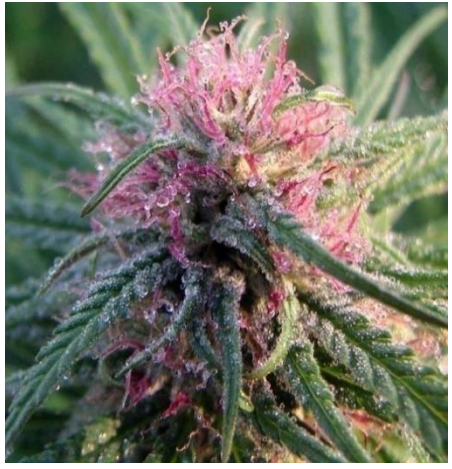
Raphael Mechoulam

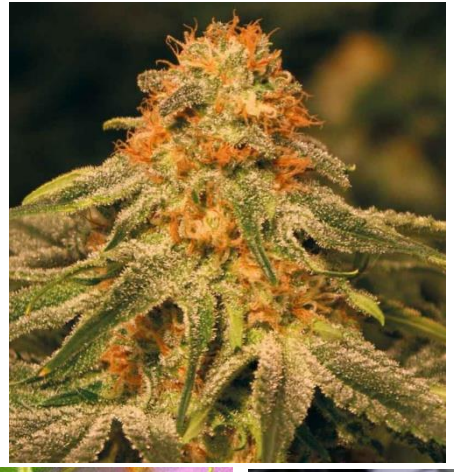


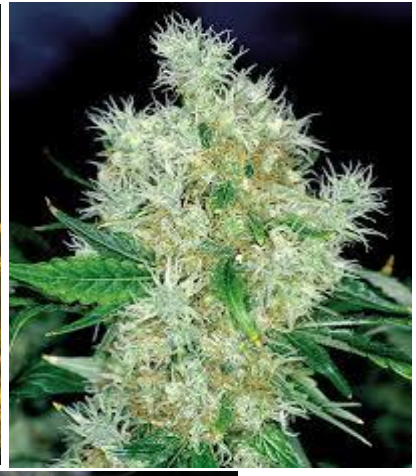
Identificação, Isolamento e Síntese parcial de compostos ativos da Cannabis

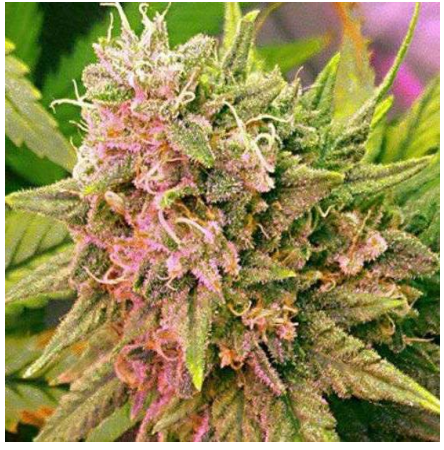
MACHO

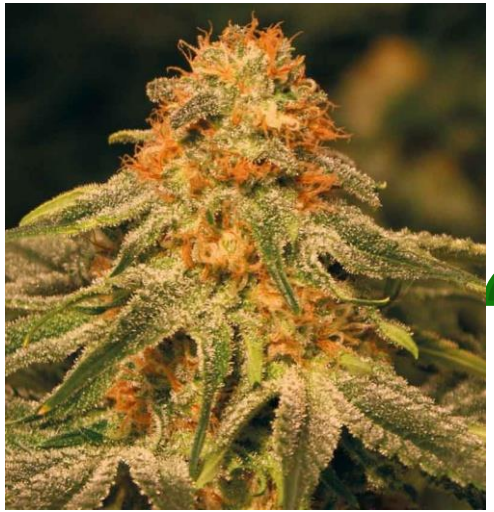
FÊMEAS

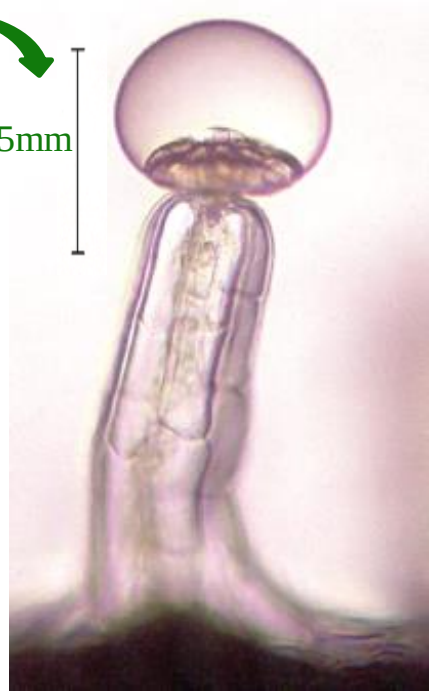




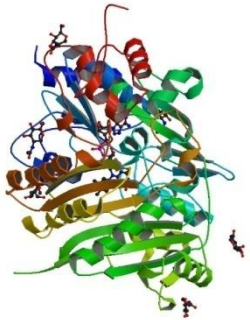


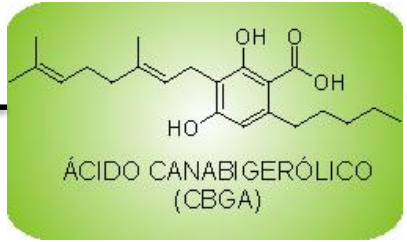






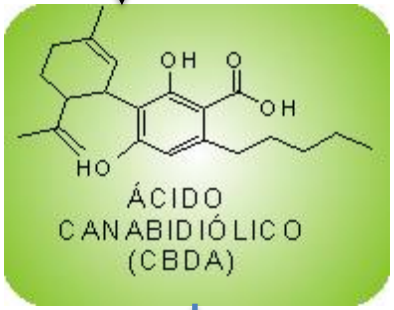
Fonte: Handbook of Cannabis, Roger Pertwee.

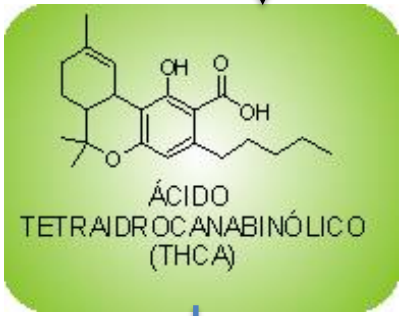




Enzima
CBDA sintase

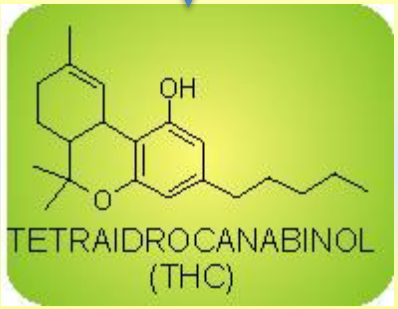
Enzima
THCA sintase

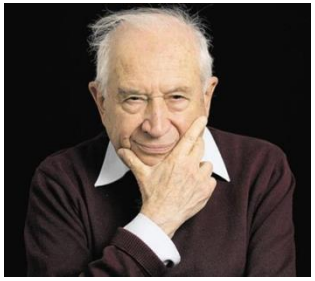




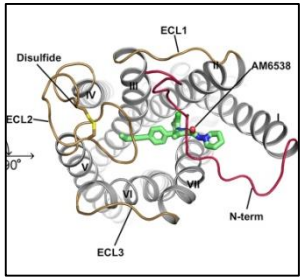
- CO_2

- CO_2

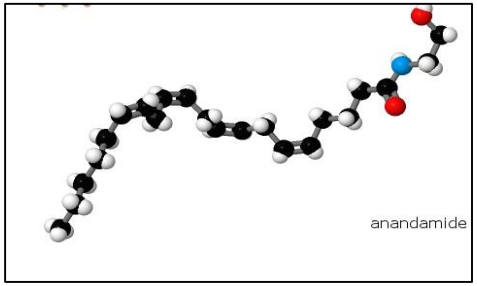




Raphael Mechoulam



Descoberta receptor canabinoide 1 (CB1)



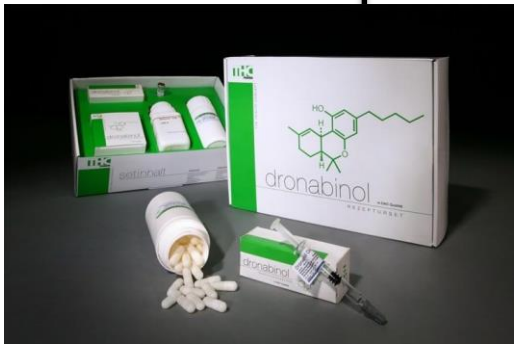
Descoberta anandamida

1964 | 1971 | 1982 | 1988 | 1992 | 1992

GUERRA ÀS DROGAS

Estudos comprovam a eficácia de CBD no tratamento de epilepsia

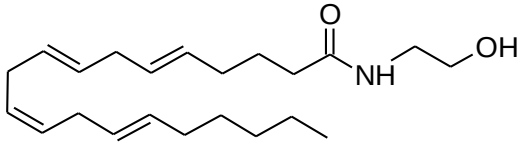
Elisaldo Carlini



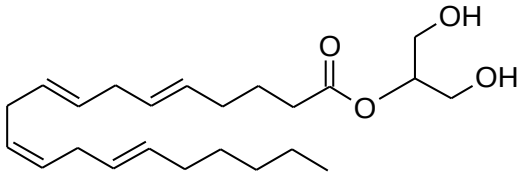
[illegible] 258 v. 34 n. 5, p. 605-613, 1988.

[illegible] Angeles. 2014, p. 283-298, 1982.

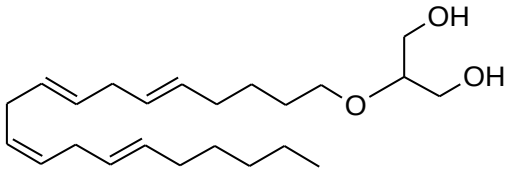
SISTEMA ENDOCANABINOIDE



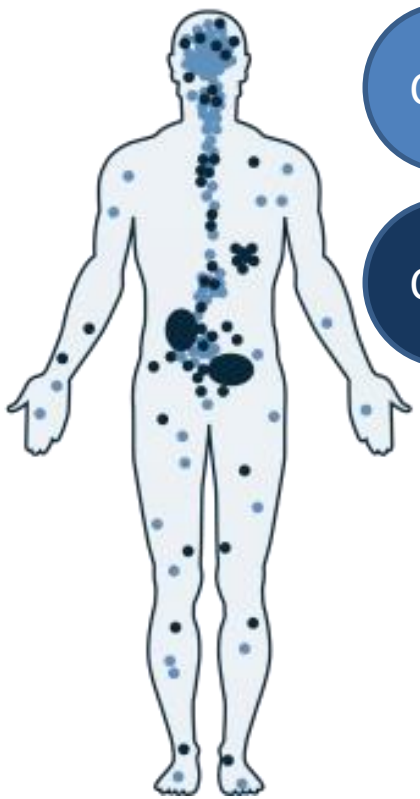
Anandamida



Aracdonil 2-glicerol (2AG)



Noladin éter



CB1

CB2

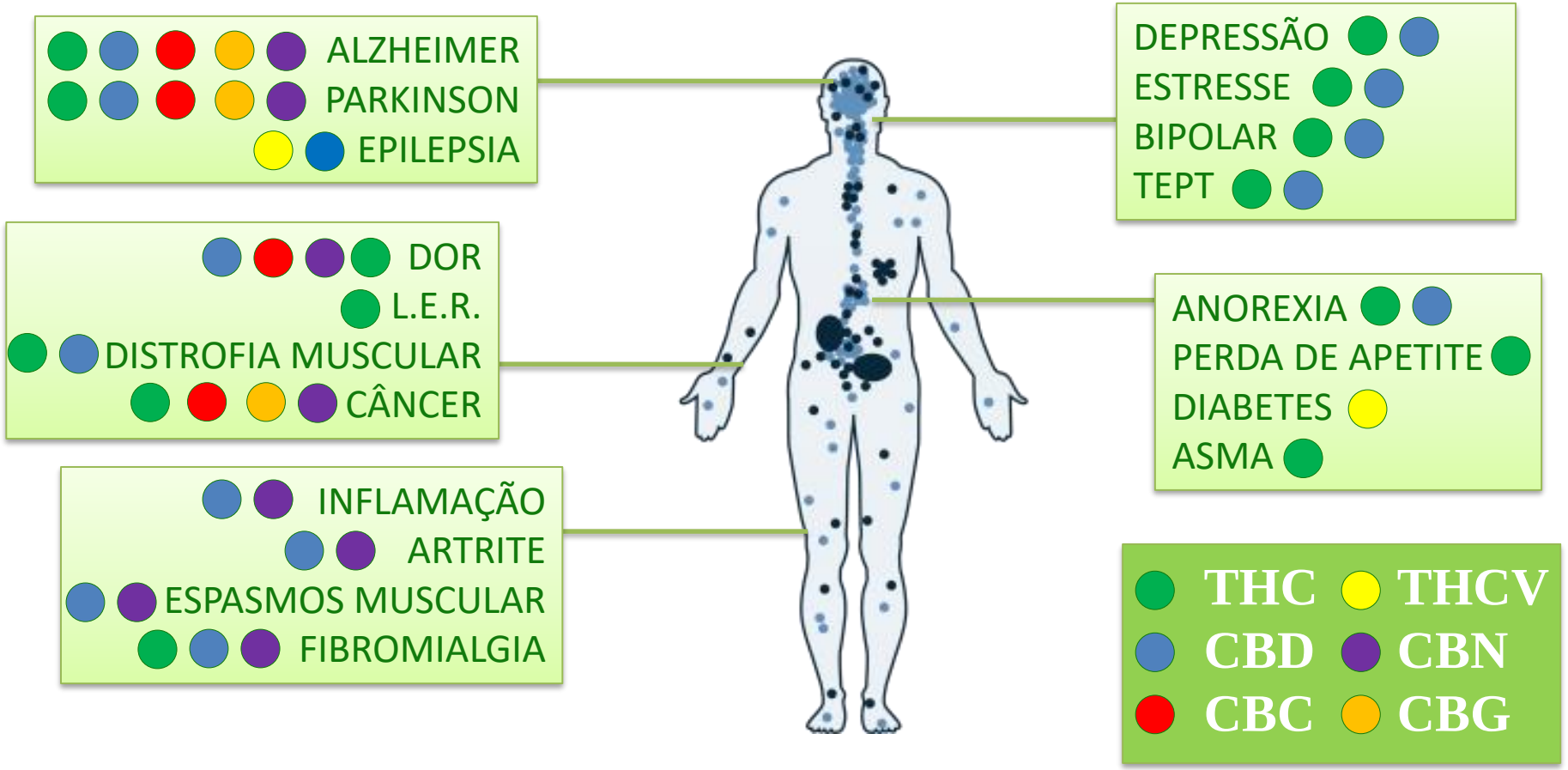
CONTROLE DA DOR

FUNÇÕES MOTORAS

FUNÇÕES COGNITIVAS

APETITE

SONO

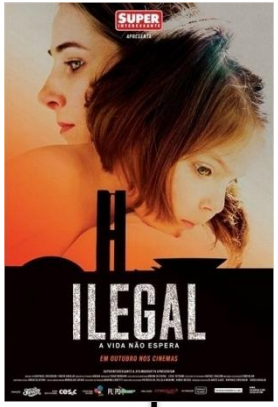


Fonte: The Health Effects of Cannabis and Cannabinoids: The Current State of Evidence and recommendations for Research The National Academies os Sciences, Engineering and Medicine

Legalização Para Fins Medicinais

SATIVEX®
CBD 1:1 THC

Legalização



1996 | 2001 | 2005 | 2012 | 2013 | 04/2014 | 10/2014

Legalização Para Fins Medicinais

1ª autorização para importação de produto a base de *Cannabis*

ANVISA
reclassifica CBD
como substância
controlada

01/2015

10/2016

Lançamento projeto
Farmacannabis
(UFRJ/APEPI/Abracannabis)

Importação de 10kg
de flores ricas em CBD
Para desenvolvimento de
medicamento nacional

11/2016

Registro Medicamento
a base de Cannabis
Mevatyl ® /sativex

01/2017

04/2017

Liminar judicial para
cultivo e manipulação de
óleos a base de *Cannabis*.
600 pacientes cadastrados

Primeira Autorização
Judicial para cultivo
doméstico para uso
Medicinal

07/2017

Primeiro *Habeas corpus*
Para cultivo no Paraná

Legalização uso recreativo

07/2016

09/2016

10/2018

13/12/2018

Segundo *Habeas corpus*
Para cultivo no Paraná

Política argentina

POLÍTICA SOCIEDAD ECONOMÍA JUDICIALES COLUMNISTAS ENTREVISTAS

13.12.2018 / Paso adelante en el tratamiento de enfermedades

El Gobierno de Jujuy le entregó 14 mil hectáreas a una empresa estadounidense que produce cannabis medicinal

140.000.000m²

HOJE

- 26 Famílias com autorização de Cultivo
- 1 Associação com liminar para cultivo
- 74000 produtos importados desde 2014

(74000 x U$ 200,00 x 3,90R$/U$ = ~ R$60.000.000,00)

- Centenas de famílias cultivando ilegalmente
- Nenhum controle de qualidade nacional dos óleos importados e artesanais
- Nenhum posicionamento da ANVISA para regulamentar o cultivo

OBRIGADO