Bio assay Sec 1

oto study the biological activity of the drug.

"quantitative Jew Lind"

o test Jewin activity I analysis " is to Bioassay Jewin Standard J qualitative (quantum bioassay) ex Is there biological activity? Yes or No quantitative potency of the drug. =) Relative Potency -> potency), Siylell test I costi Potency Il standard II costi efficacy 11

vesponse close- vesponse Curve Mobre Mobre the test must be: os drug & clere "Bibassay bles

os drug & clere one response

Tero is a super No Zero is e vesponse dose response · ideal response Gietall Standard, test) (is) ما السناي سرى نفس لتأكر Same response induce response " response in a Eethicaly drug reseptor 17,3 * Intrensic estimaly - super amplex to induce este م معردهاعسطري إلى نعارن to induce effect dose la e is juit po ou. * Potency * Affinity

post sie ailloses cheois intrensik efficacy Il sessil l'in une lue con la response miss " o is cost" o to sup of de that Biological activity), « measure of single "dung-veceptor" intrinsic efficacy is ranges " 0- x"

"Relative efficacy" of a let (by in all) to

"Antagonist" No vesponse I full response

"Affinity Full response

Endogenous Aganist I'me des effect come drugs is a libitation of a super Aganist *Super Agonist and " 5 pare veceptors" a, ei cs & Receptors May be Considered Spane when the Maximal response is elicited by an Agonist AT a Concentration that does not Produce Full occupancy of the Available Receptors Partial agonist = 1> and OK efficacy. (ex H1 receptor Blockers) Inverse aganist = inline del = "Motency" Il & Bio assay I is all dis signil (& Amount of drug needed to produce Certain vesponse "measurment of activity of drug to bind the receptor" Occupancy (7.) "dose-occupancy Curve" dose (mg/day)

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" Lie work as Pava-Sympathonimtic dues " Petermination of relative Potency of test compand"

"Actylcholine" - como standard Il Leo Procedure! -1. Standardization the process of making something comform to astended 3. Bisassay technique. 1 Standardization Shetyl choline I dose - response Jas curve

The many response chart

o,1 0,20,3 0,4 0,5 dose Same response

(Maximal response) Response sièzles Maximal dose city is * Submaximed dose Companison) 1 different log (Ach) dose dougs "dose-vesponse curve" 30-70% nie comply dose 11 maximal response 11 ino 2. Companison
0,25 sie Standard II custi Submaximal II cit cues a-Standard Mark 0,2 Man dosectest Mine cres a Standard I vesponse 11 cylés o test curs ois con come Some of Mesponse everelt test), no 0,1 cieros cienos * determination of relative!

0,2) 1 x 12 response 11 cieros cienos is in il poteney * standard D test (0,15 ciero cen - > response sicilité

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Relative dose of standard if equal 1)

Relative dose of test with same response have the same Dotenia 11 2000 6 Potency of the Standleurd if equal 1,25 -> then the potency of the test is 1,25 the potency of the Standard if equal = > then the potency of the test is houf the potency of the standard. 3. Bio assay technique
"response" result de jum a labor por la jum a labor por labor labor por labor po