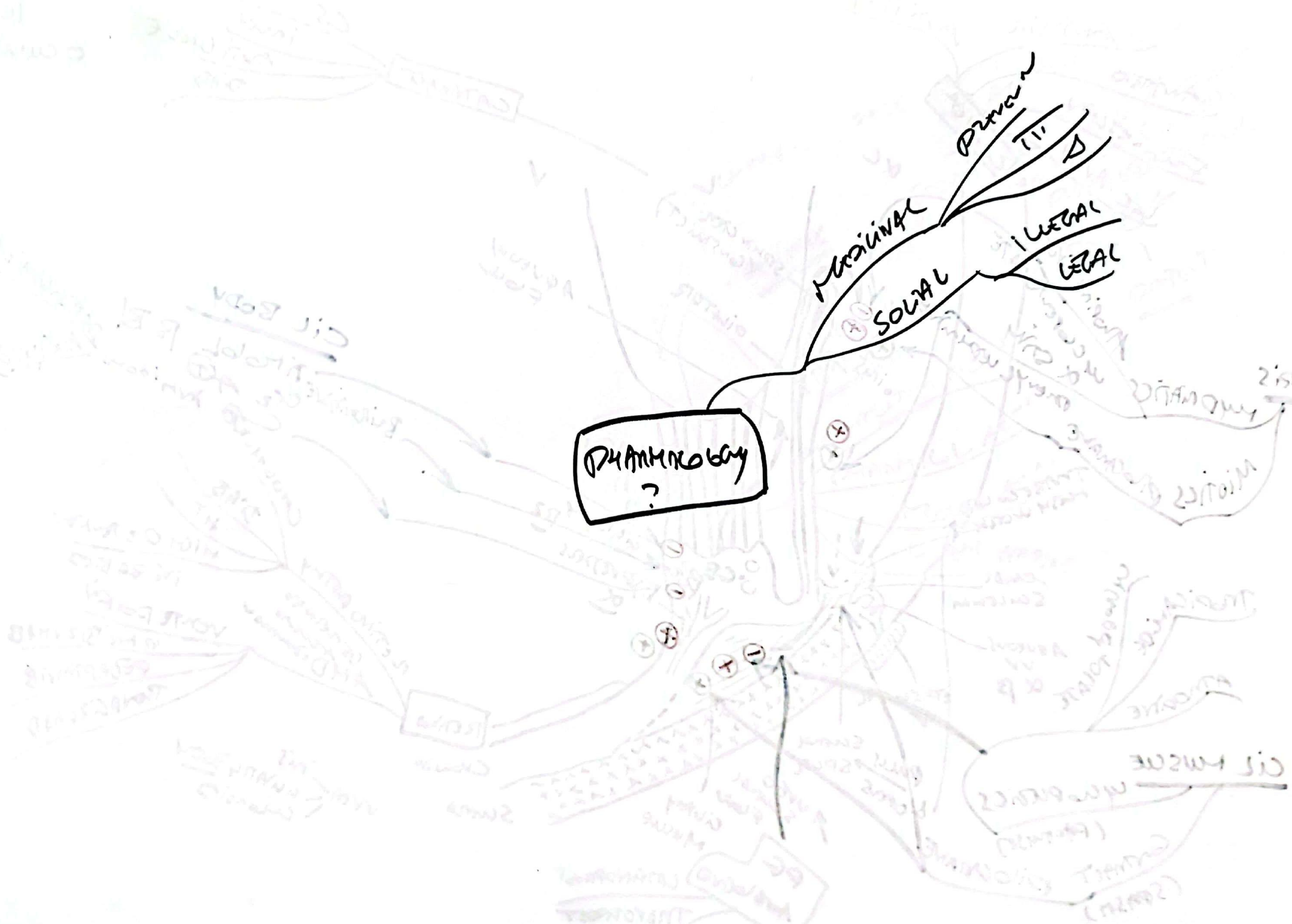
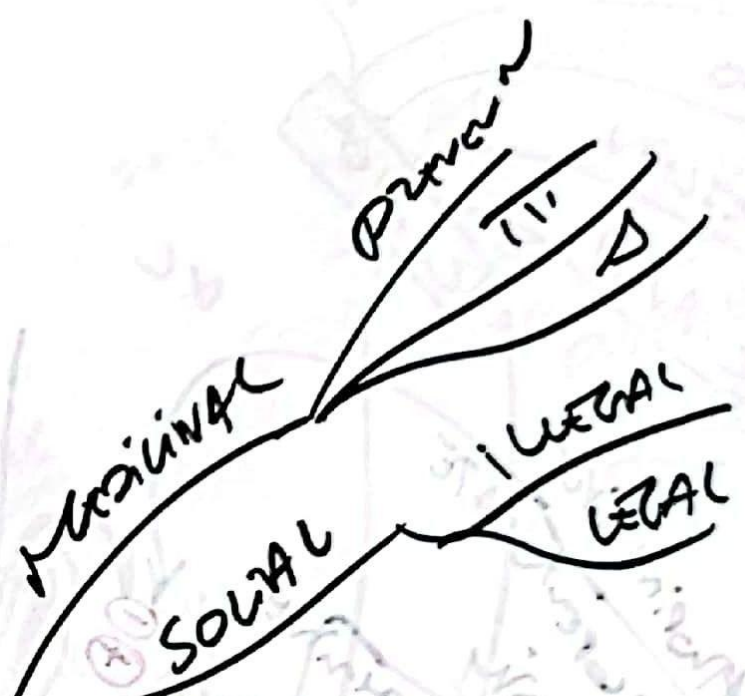


PHARMACOLOGY?



DRUGS
NAMES
&
CLASSⁿ

NAMES

MEM

GENERIC

PROPRIETARY
(BRAND)

PHARMACOTUM ACⁿs

PHARMACⁿ ACⁿs

MISC ACⁿs

MEM NATURE

DESC FROM / MOL SM
N-ACETYL-PAMINO DIENOL

GOVT TOP NURS MEDICIN
ON OVER GUNTH
PARA ~~DETA~~ MOL

CALPOL[®] ←
PATENT

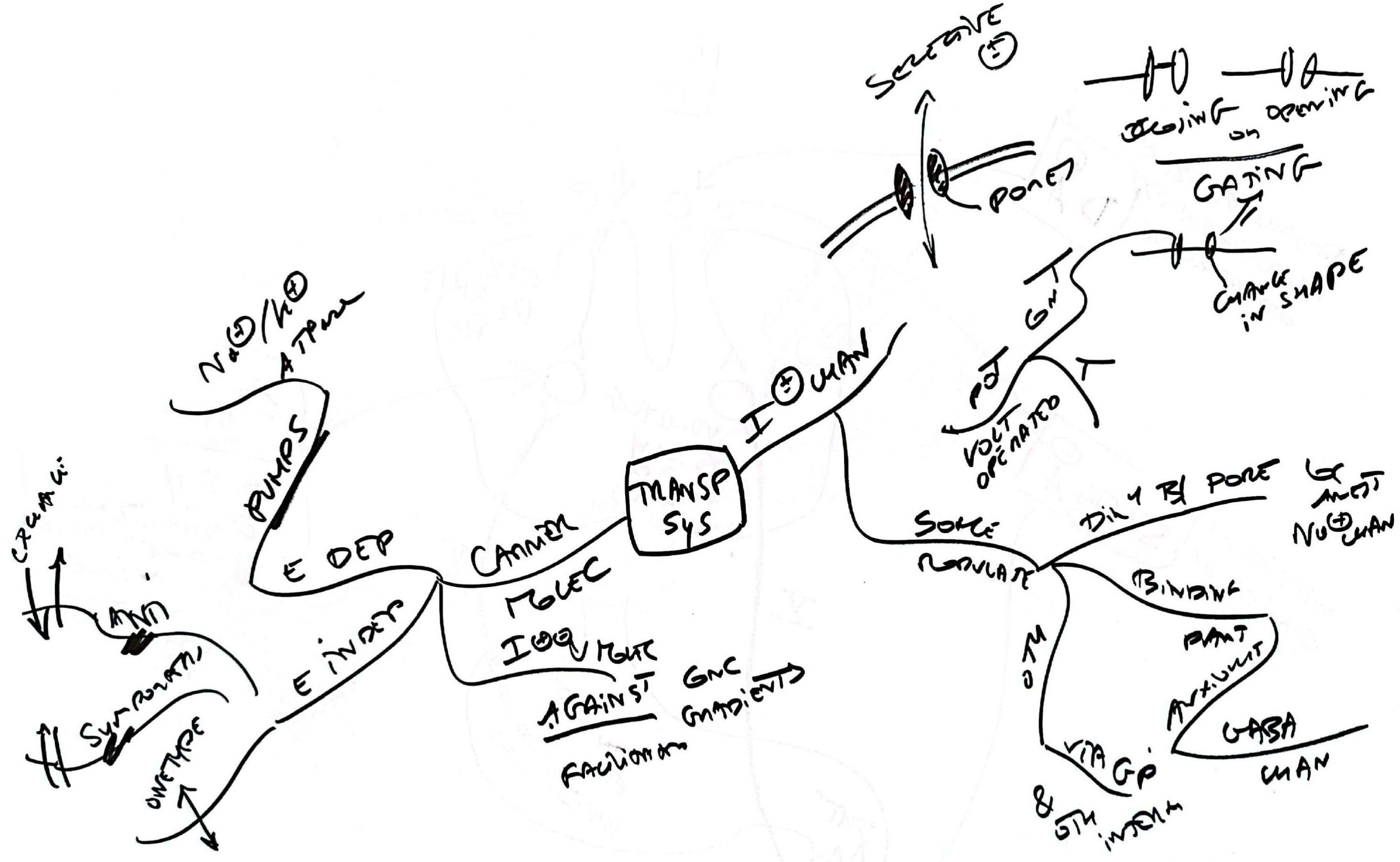
⇒ ~~max~~ ~~min~~ ~~high~~ ~~low~~ ~~DOSES~~
(mg - 2)

~~SOFT~~ ~~NET~~
CURRENTLY SUCCESSFUL
HUMAN
REASONING

Certain
Situations

How
Ds
work?

MAJORITY
R
① ER2
& MANIPUL
SOME DLS



Proams
D
↑
DAYS
↑
MAGIE

CENTAN DUMFS
↑
MAY REWRITE
ENZIC
POSITION
ENZ

↑
FALSE S
COX
↑
OTHER SITES

- I[⊕] GVAL L
- GDP L
- TK L
- DNA L

BRAND VISION
DIPLOMA
DIPLOMA
DIPLOMA
DIPLOMA

POSTURAL AT
TAKY PUCHA

R

NON OCCURRING LIGANDS

H
NT

LIGAND BINDS ⊕ = AGONIST A[⊕]
BINDS ⊖ ALSO REFER ANTAGONIST A[⊖]

EFFECTS

α PULVER

B
INS
STAINS

TALI SEE

SEE
TAN
H-SOM

THYROID
SH NAYN

ER
M Ach
ER
FN

4 MAN

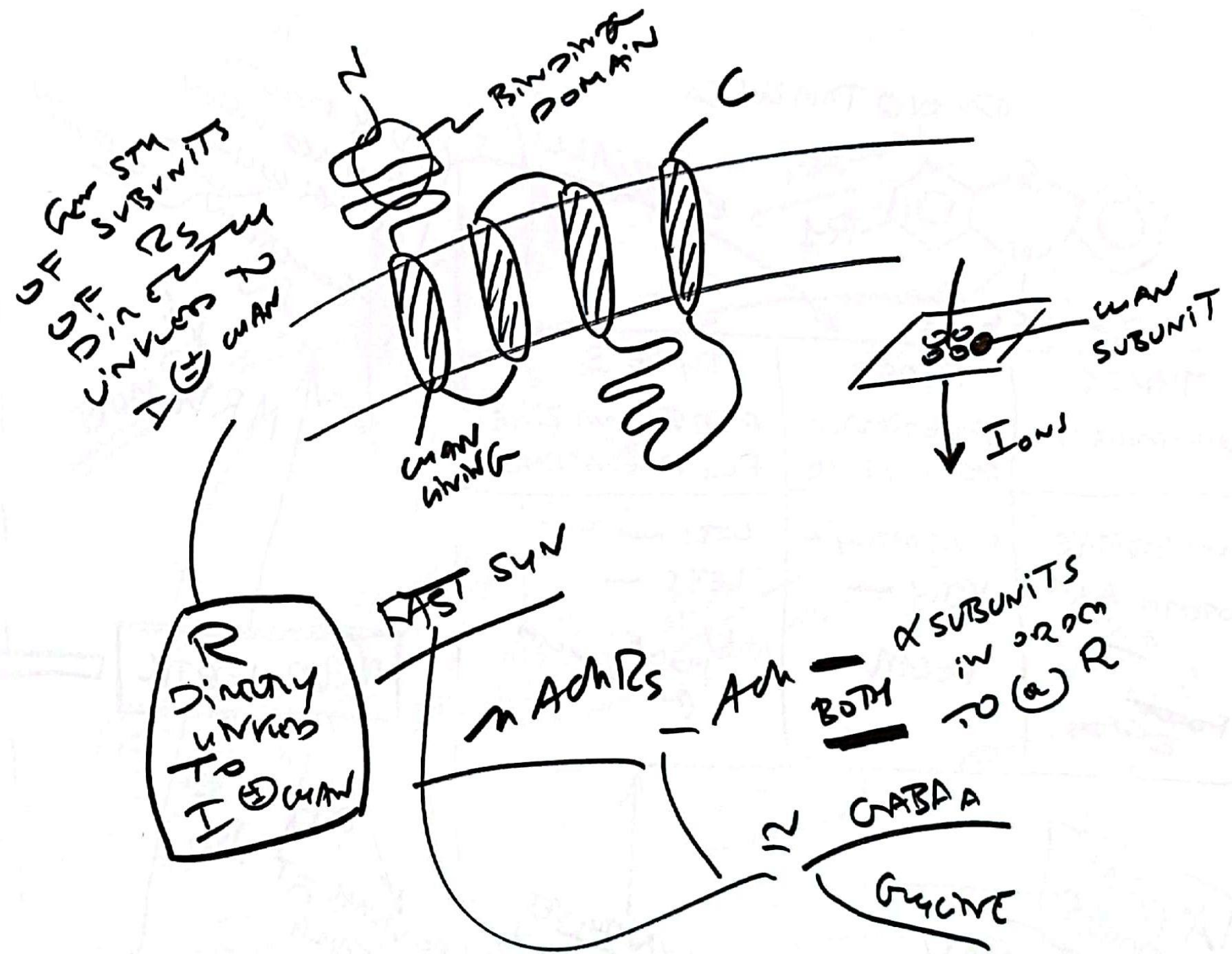
ER EFFECT

MAO2

MC Blor 219
R12
2

R TR
CM

TEASE
MAYBE
*12



R
 Dimeric
 LINKED
 TO
 I ⊕ CHANNEL

FAST SYN

α SUBUNITS

β SUBUNITS

BOTH IN OR ON TO (α) R

GABA

GLYCINE

ION SUBUNIT

ION FLOW

ION CHANNEL

BINDING DOMAIN

Total
 Cytosolic G_o
 Plasma G_o

M G₁₂/G₁₃
 opposite B & G₁₂

F₁/G₁₂

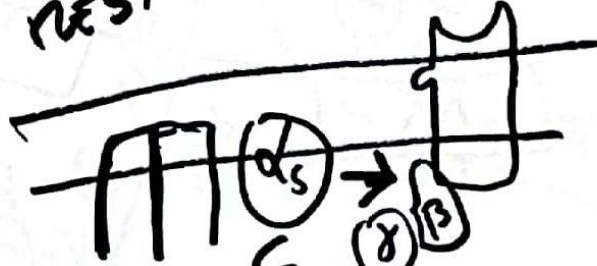
2 x

TYPES

AMPLIFICATION

GPLR

RESTING



BUNDLED

MODEL STR

NEC

BINDING DOMAIN

GAP COUPLING PROTEIN

RELATIVELY FAST

PLASMA BODY

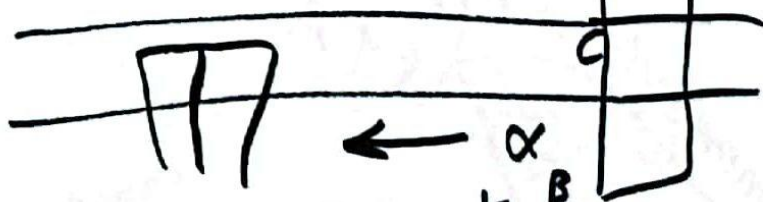
SECRETION

400-500 RECEPTORS

7 TRANSMEMBRANES

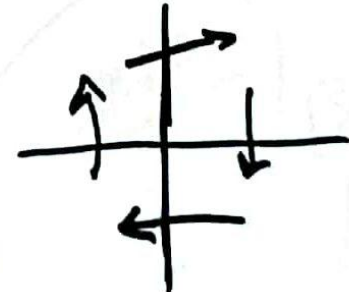
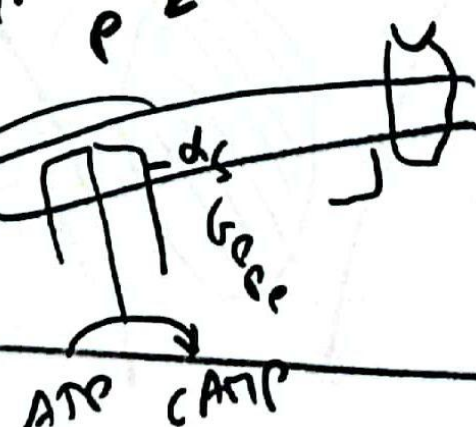
3 mol: C can be

2 occupied



NOT ALWAYS
 K⁺ CAN
 BE ACTIVATED
 BY B₂ DILATOR
 & MAY PLAY
 ROLE IN

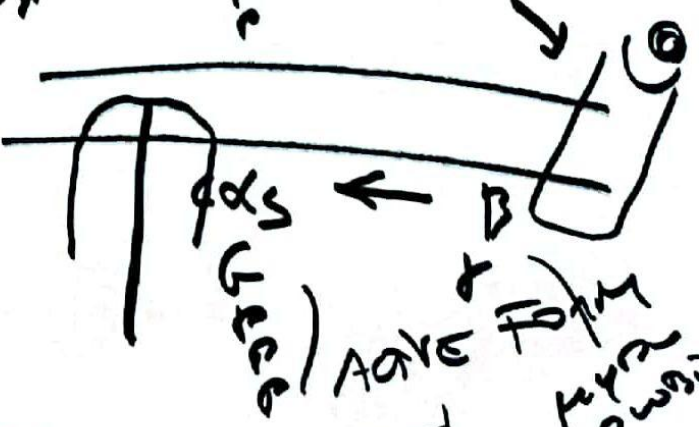
NOT ALWAYS
 K⁺ CAN
 BE ACTIVATED
 BY B₂ DILATOR
 & MAY PLAY
 ROLE IN



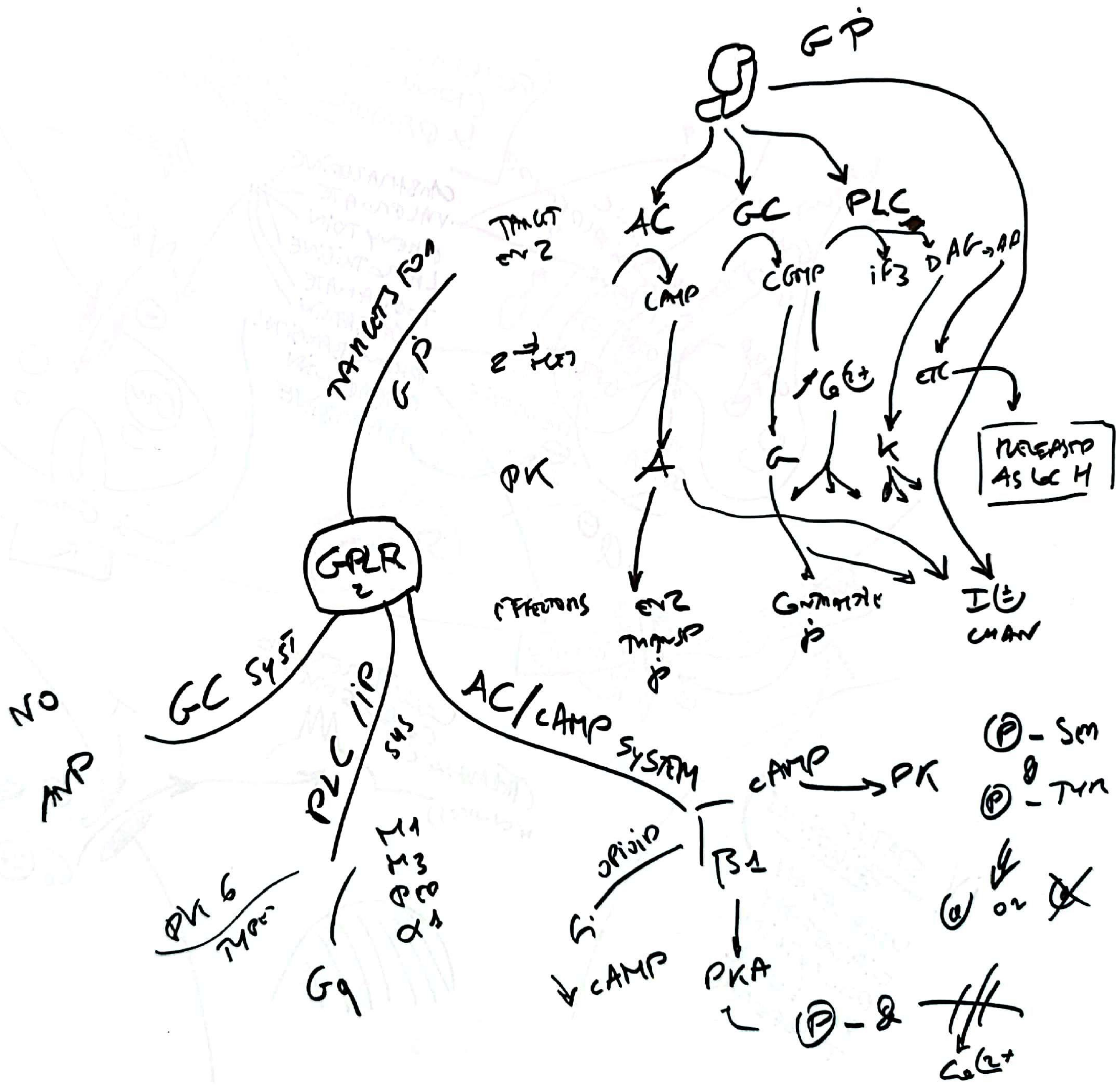
THAT IS ACTIVATED

TYPE

SECRETION



SECRETION

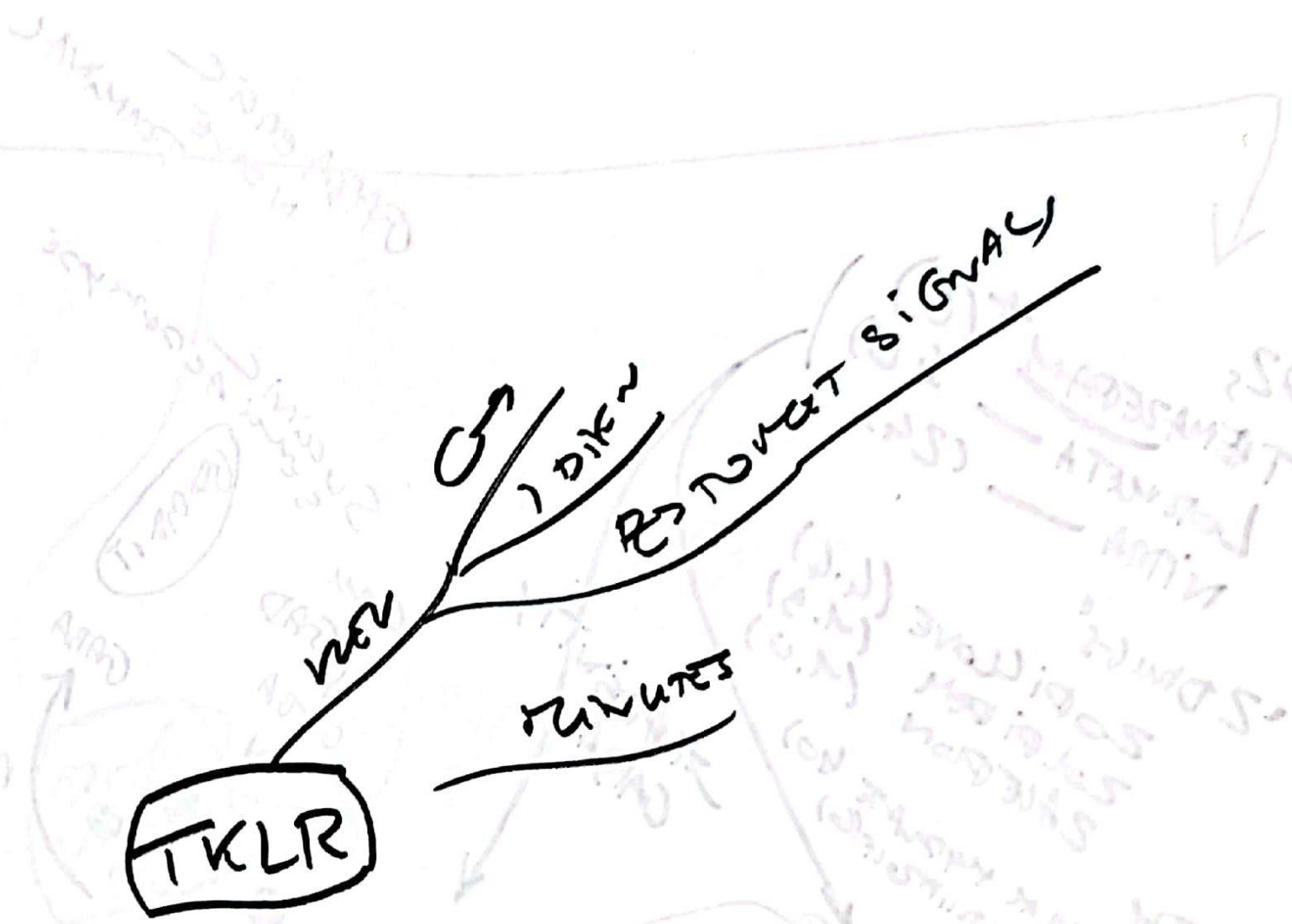
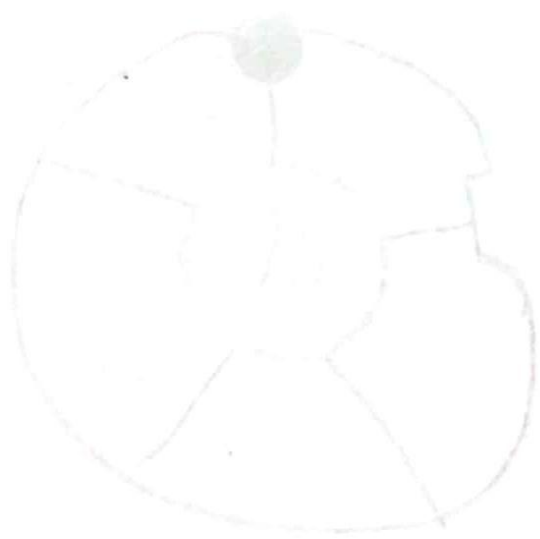


TKLR

MEM

TUNING

TRANSDUCED SIGNAL



HYPERNOIC
HYPERNOIC

DISSEMINATED
NON-SPECIFIC
HYPERNOIC

HYPERNOIC
HYPERNOIC
HYPERNOIC

HYPERNOIC
HYPERNOIC

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HYPERNOIC

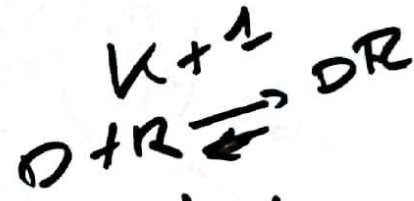
DNA
LINKED
R





K_1 GREEN
 AFFINITY

K_{d1} GREEN
 IN HANDBOOK RANGE



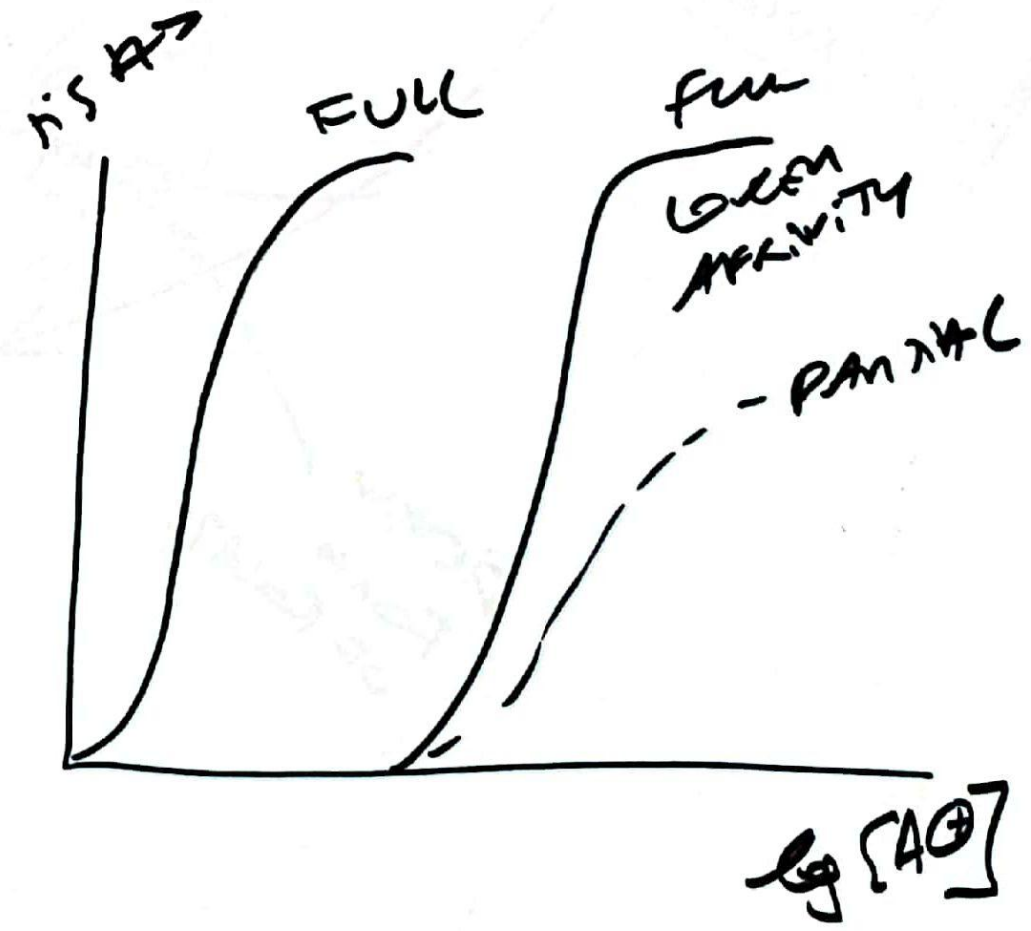
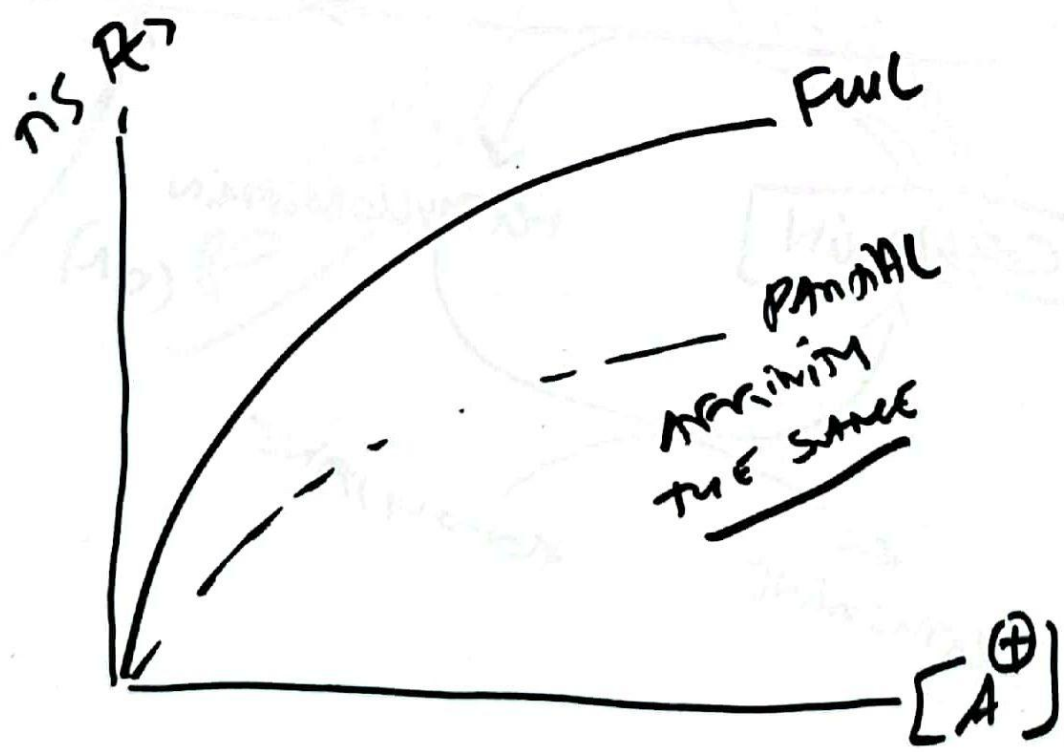
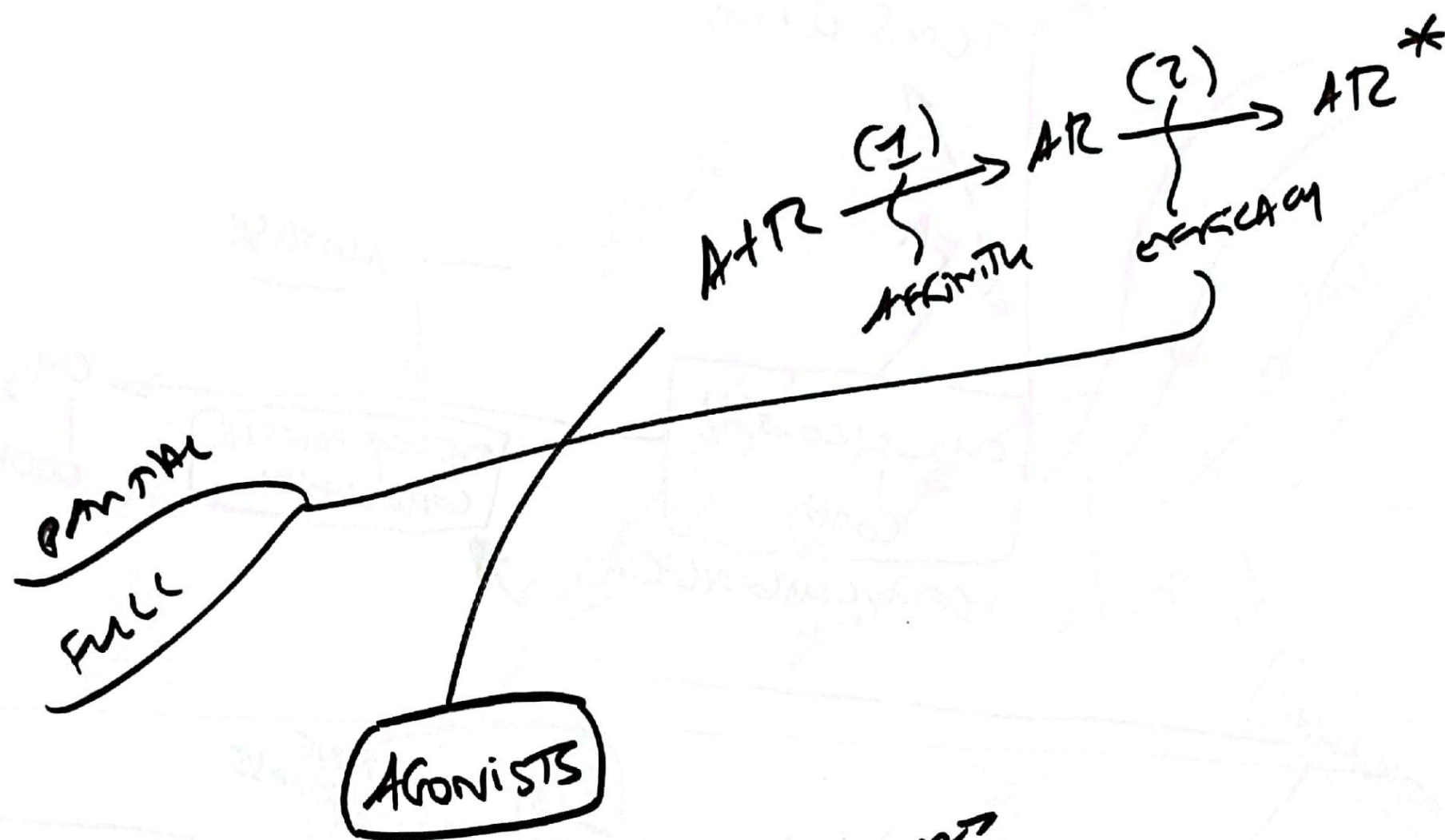
$K-1$
 FORWARD RATE
 $= k_{+1} [O][R]$

BACKWARD
 $= k_{-1} [OR]$

$K_{d1} = k_{-1} / k_{+1}$

K_{d1} ASSOCIATION CONSTANT
 GIVE D NOT MADE IS
 $SO \rightleftharpoons MAX \rightleftharpoons$
 $AT \rightleftharpoons$

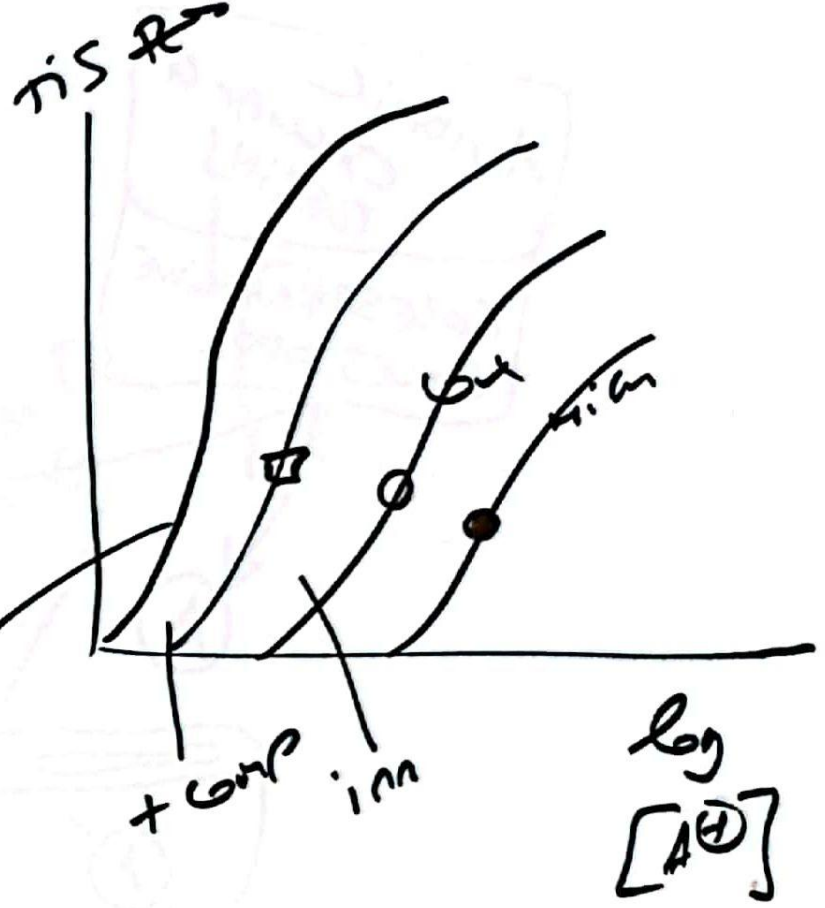
\checkmark K REVERSE
 $K_{d1} = 1 / K_{d1}$



ANTAGONISTS

COMPETITIVE

A^{\oplus} NONE



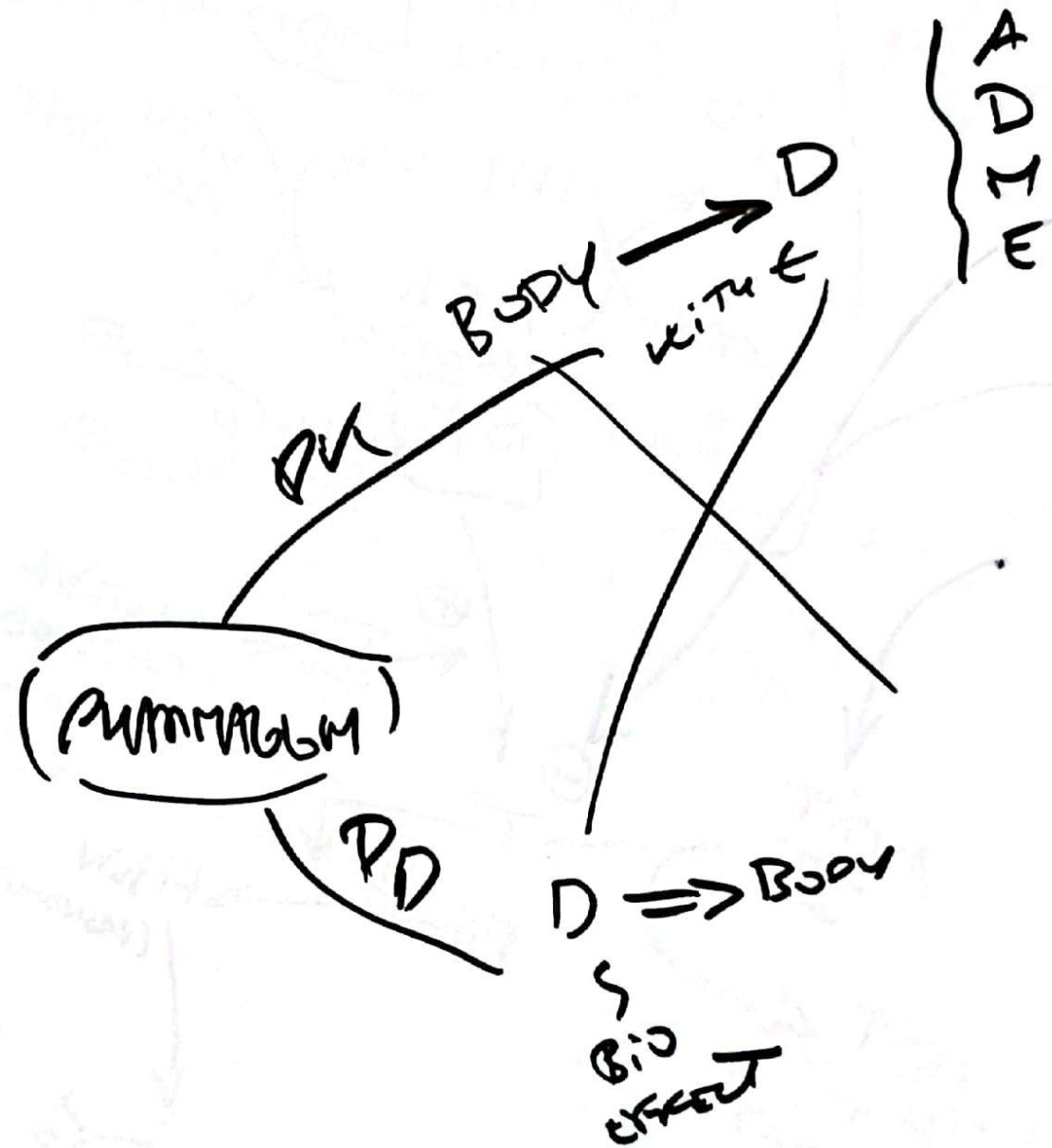
POTENCY

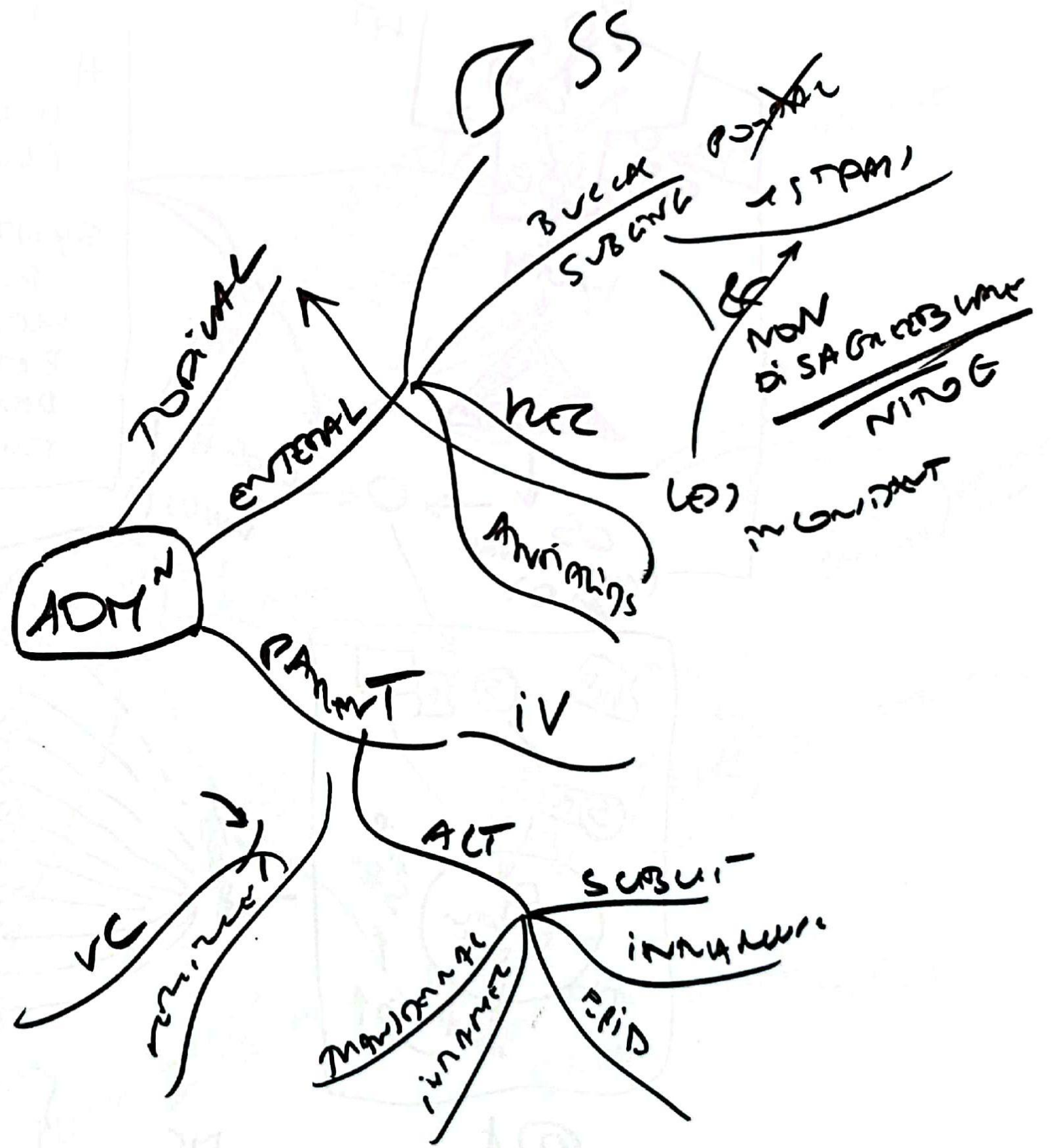
~~NON-REVERSIBLE~~

~~COMP~~

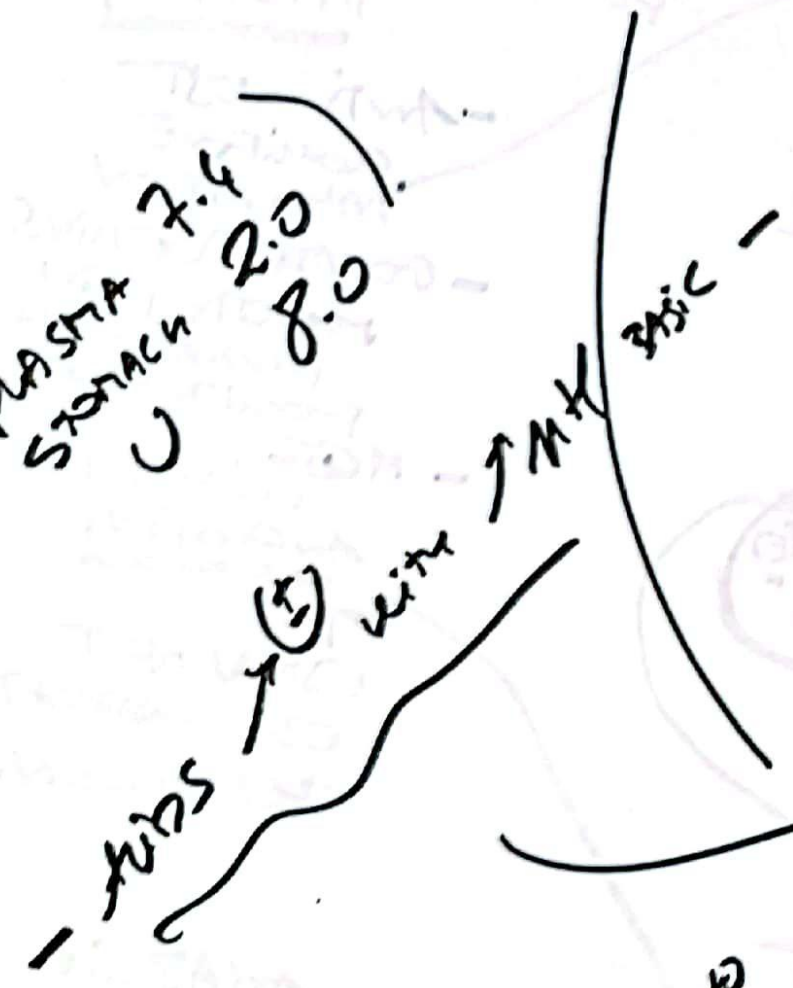
~~INC~~

|| ~~INC~~





PLASMA STOMACH 7.4
2.0
8.0



$BH^{\oplus} \Rightarrow B^+ + H^{\oplus}$
 $PH^{\ominus} = H^+ + \text{by } [H^{\oplus}]/[B]$
 $M^+ + H^{\oplus} = H^+ + \text{by } [H^{\oplus}]/[A^{\oplus}]$
 $HA \rightleftharpoons H^{\oplus} + A^{\ominus}$

M_{vis}
 M_H 50% I_{vis}

ABS[~]

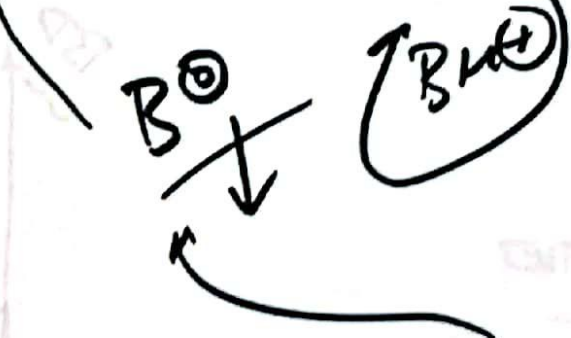
Q MBS

SIZE

Best

BIDAVIABILITY
 POPUL INTO
 look iv
 ONAL

α i sensitivity



More weight < 1000
 SMALL

MBS
 (MBS)
 (MBS)

SYSTEMIC CIRCUL

14

ASD: 12/12/12 work trip \uparrow $V_{ce} = 3.5$
 \Rightarrow ATBS \oplus in STM
work \odot

12/12/12 work BDE \uparrow $V_{ce} = 8.0$
 \rightarrow
BDB

DIST^N

BUNYEN (BUNYEN)
 VOL → BODY WEIGHT
 DIS BINAANG (SOL) × ×
 DIS OPENING

SUKSES IN
 15L
 15L

15L
 15L

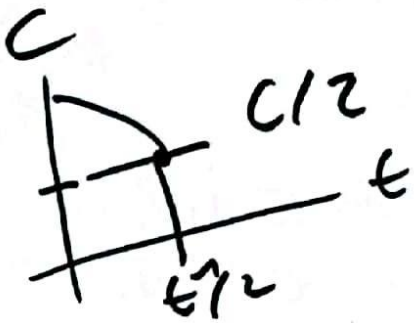
VD = 15L
 15L
 15L

EDI MA
 BODY GAP

APPARENT
 CALCULATED
 PK SPACE
 IN WHICH D
 DISTRIBUTES

VD = DOSE ADMINISTERED
 INITIAL APPARENT PLASMA
 CONCENTRATION

C_{1/2}
 t_{1/2}



D - D
 ALB
 MANY MUSCLE

BASIC-GLOBULIN
 FRACTION → AGE

ASIF 7800 BOUND

ASPIN → DISTANCE
 BDR - ALB
 DISTANCE

META

STAIR # 7 IN 100
FLOOR I
HIGH ROOM
MEET ON MINOR EX TOND

SITE

ONAL
RADON



PHASE I

INITIAL
PONTAL
MAY EXTENSIVELY
MODULATED

= 1ST PASS MEET
OR HAS
LIBRARY

OXIDAN

HYDROLYSIS
REACT



PROXIMITY LESS
GM

MC
HIGH SOURCE
MIXED
OXIDAN
(4)

SER

+ SITE
FOR 2

INTRODUCED
FUNC IN GROUP
OH ON H2
POLARITY

CUSTOMOME PLD

ON AS SIGNALS

10/10/10

OR NADON
ADDP
2
MOVING
TO FENCE

HAN 10

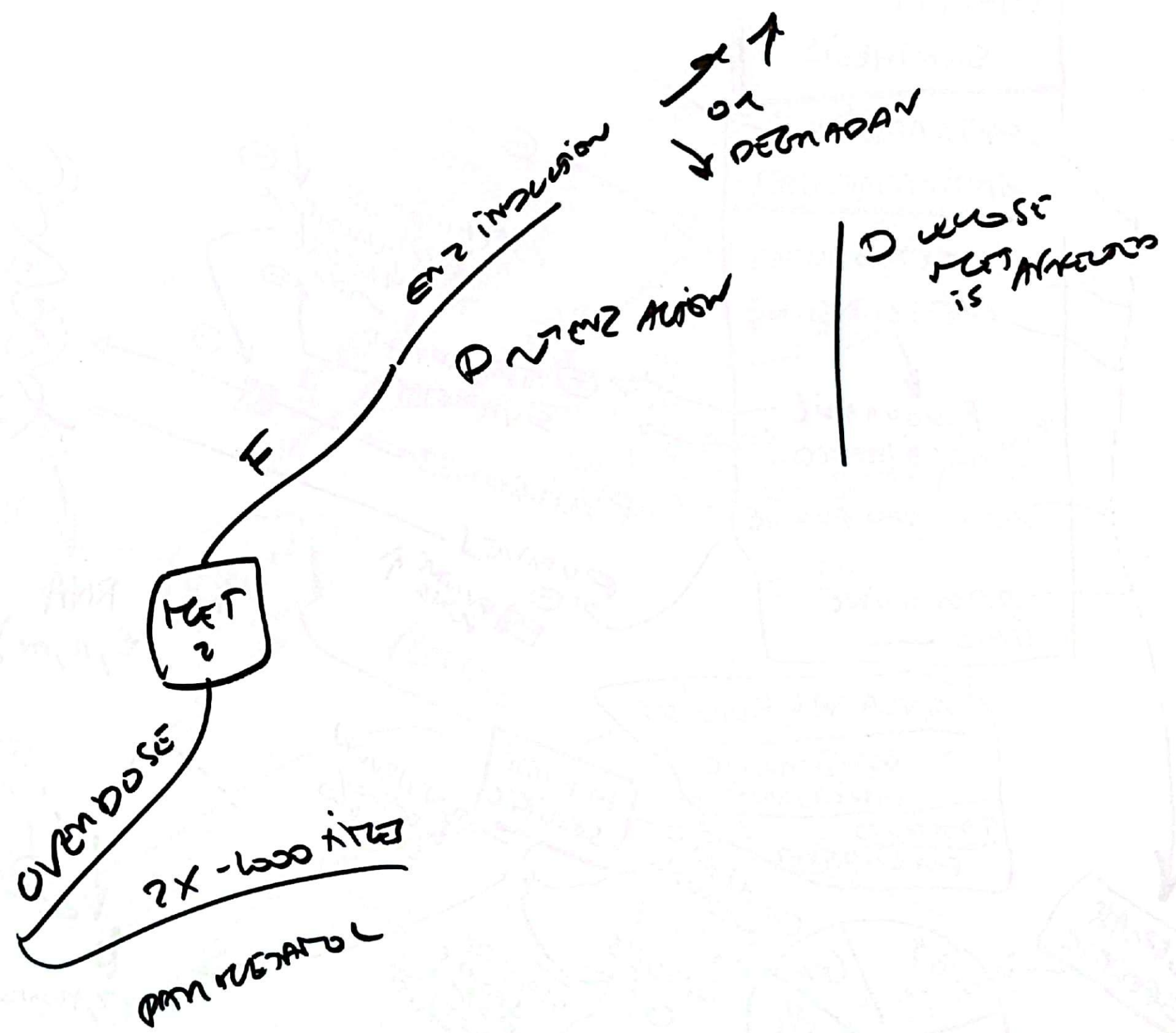
DANNY

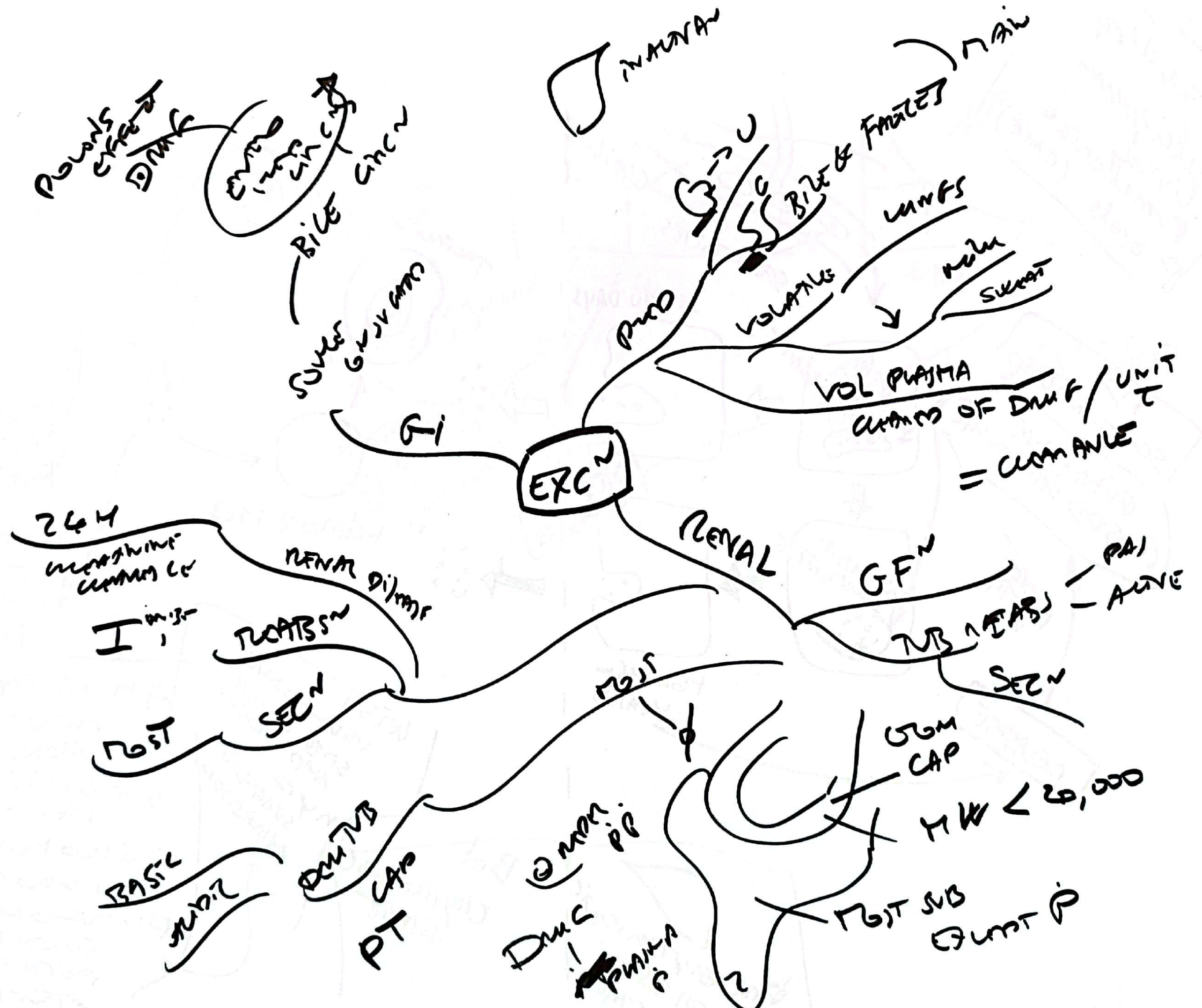
CONVGA
+ HYDROLYSIS

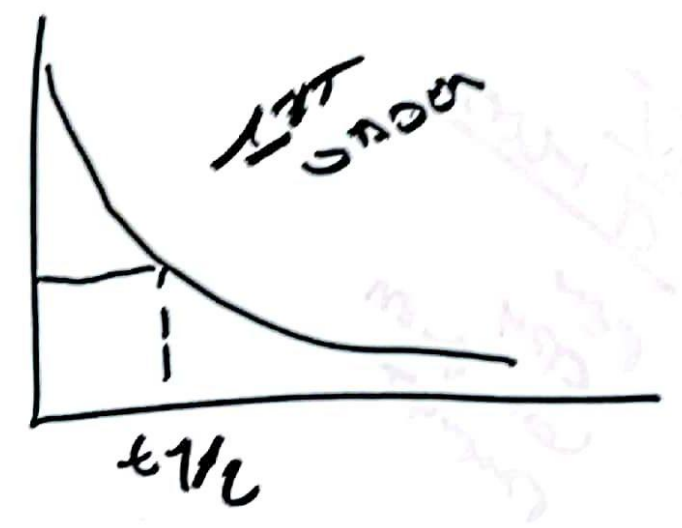
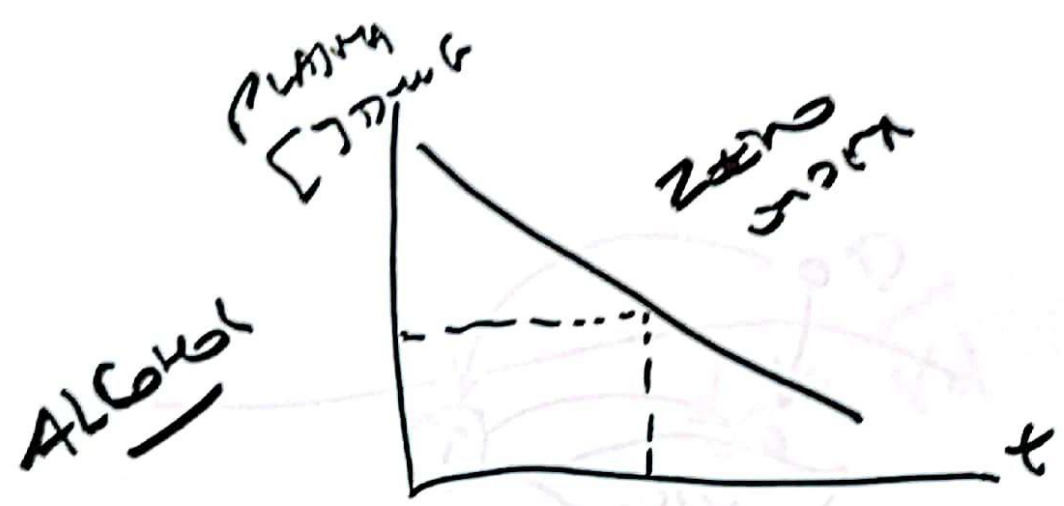
SUBJECTS
ROMAN
GRAND
MACHINE

QUEST
TOMMY
6
GUE
CANNON

MUJ
MIMBY
MAYE







INDEP OF $[S]_{\text{PLASMA}}$

NONE LIMIT BY CONC IN CF F

CF AVAILABILITY

KINETIC ORDER

1
FIRST ORDER

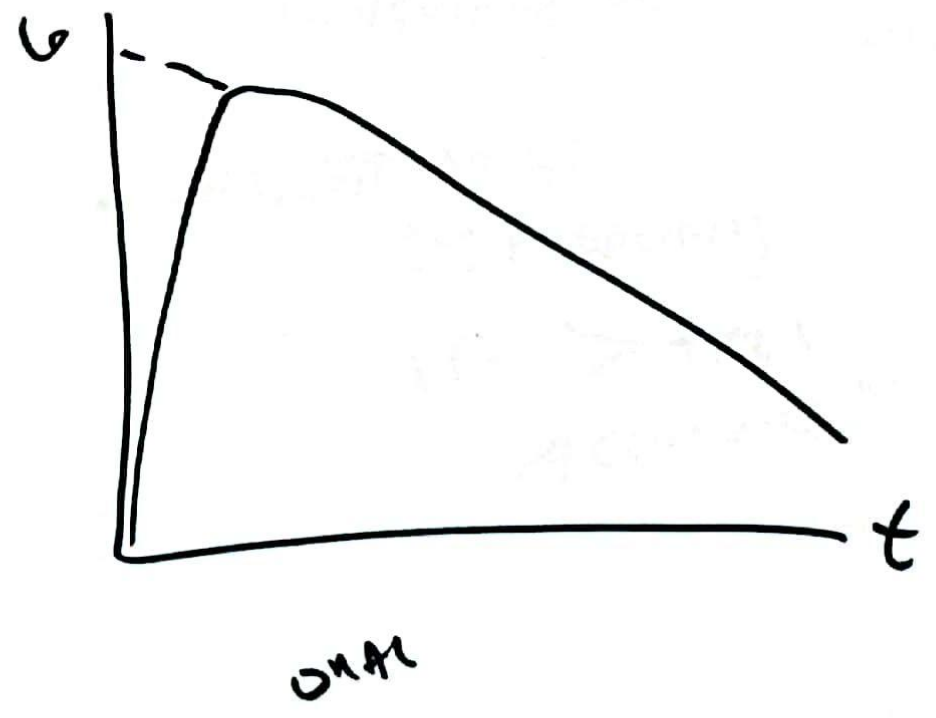
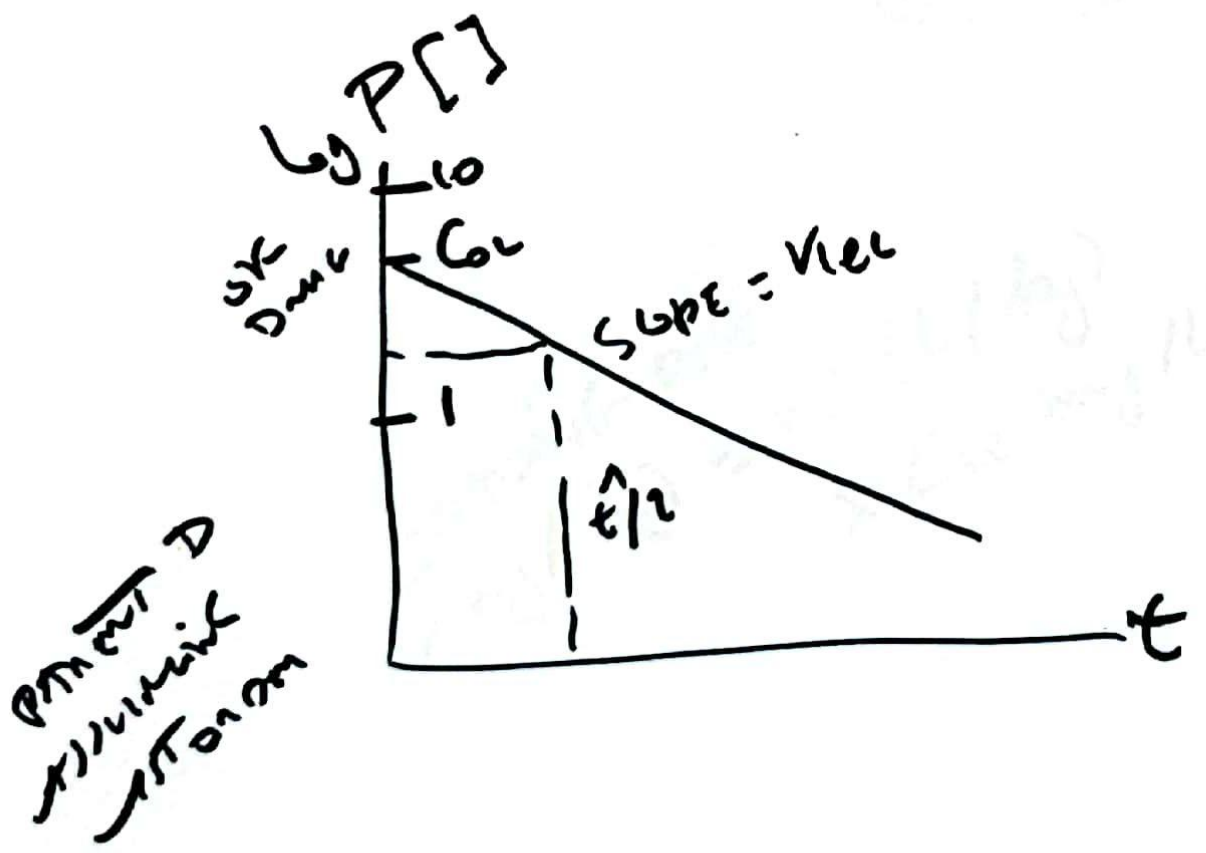
$[S]$ NAT CHANGE F



Handwritten notes at the bottom right, including the word "KINETIC" and other illegible text.

$$b = \frac{D}{v_d}$$

ONE
 CHARACTER
 TIME



↑ Dose
 MODEL
 INGEST
 APPROACH

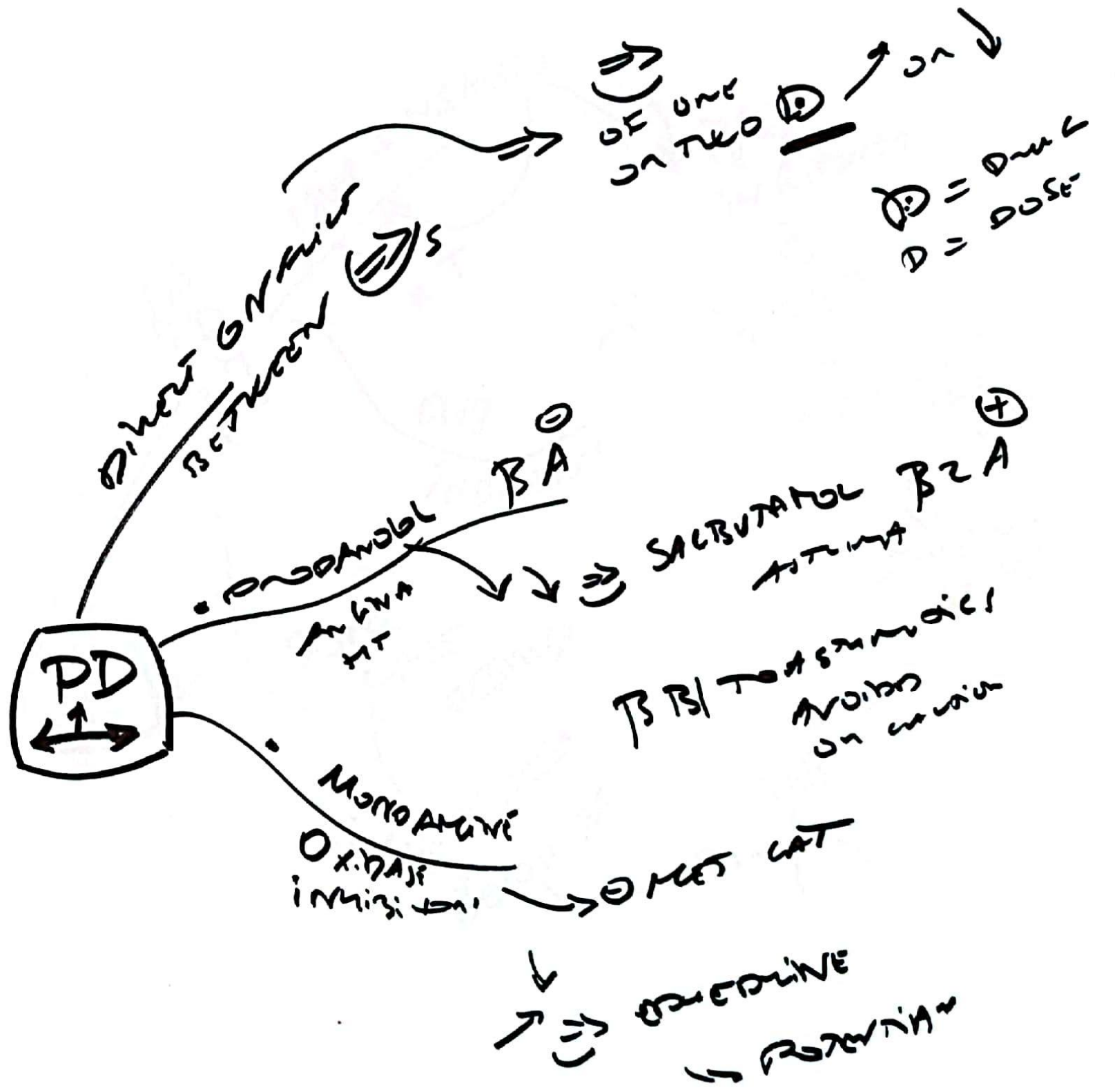


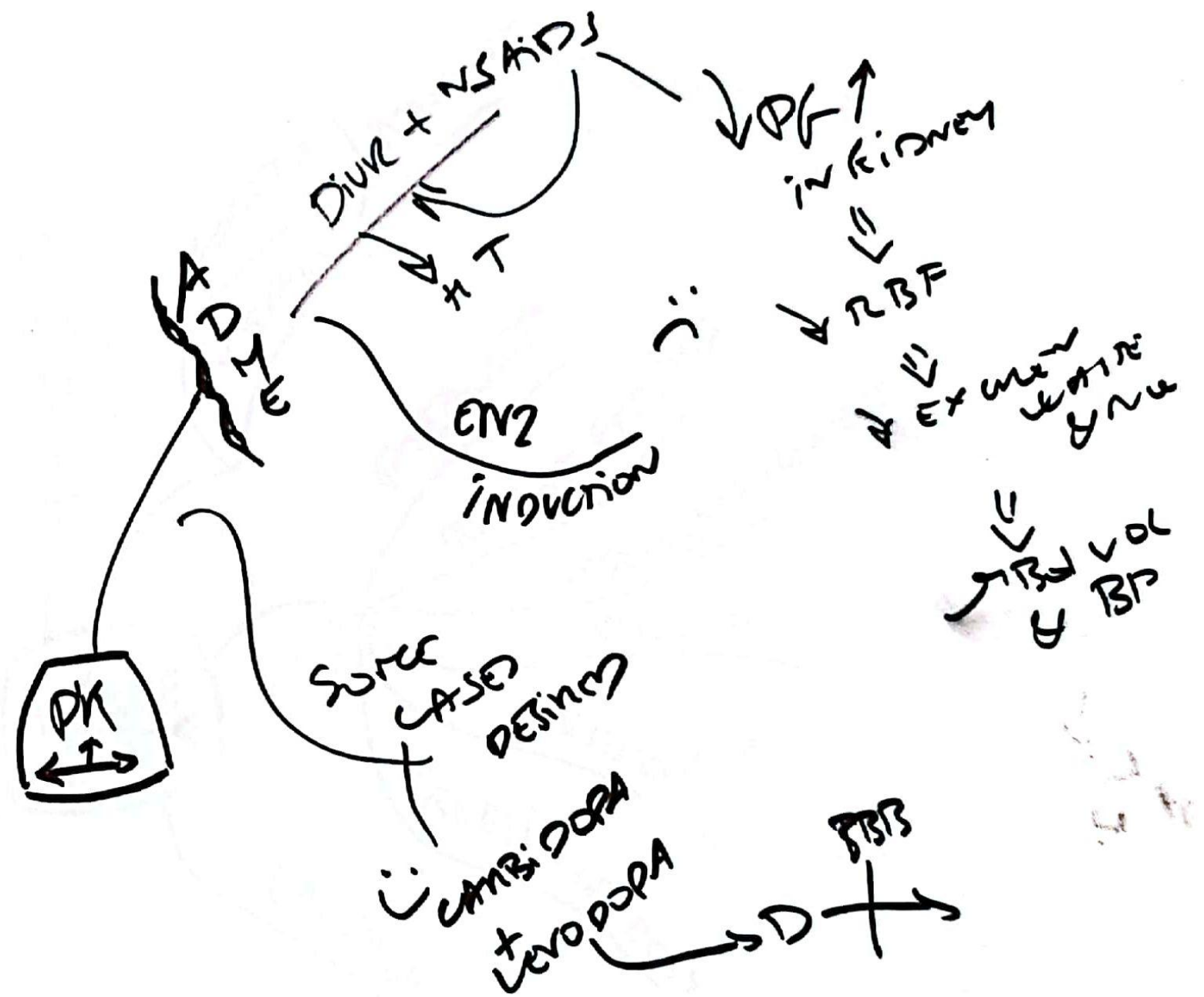
ROUTE
 EVERY 6 HR
 WHEN ITS TERMINAL
 DISPOSIN
 1/2 LIFE
 IS 6 HOURS

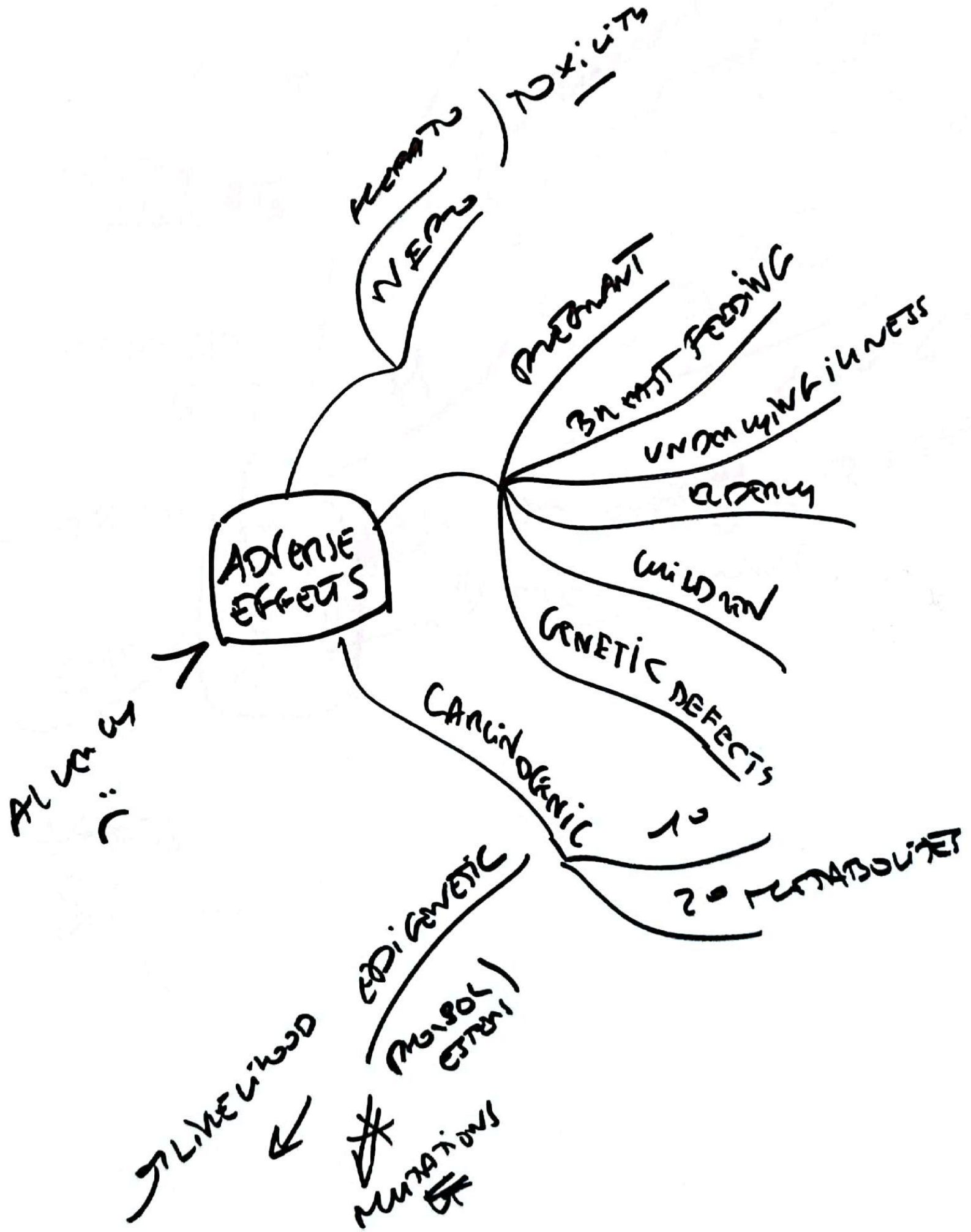
• t TO REACH STEADY STATE
 IS USUALLY EQUAL TO 4-5
 1/2 LIVES

• AMOUNT AT SS
 \propto FREQUENCY
 IF $> 1/2$
 ACCUMULATED

$$\text{Loading dose (mg/kg)} = v_d (L/kg) \times C_{ss} (\text{mg/L})$$







MAIN AIMS /
REASON OF
INVESTIGATION

PRECLINICAL

PHARMACOLOGY
TOXICOLOGY

CUN
D MET & BIOAVAIL⁴
EVALUATE SAFETY

INITIAL III STUDIES
EVALUATE EFFICACY

- LARGE RANDOMIZED CONTROLLED TRIALS
- GRADING NOK & OLD IT'S
- EVALUATE SAF & EFF

POST MARKETING
SURVEILLANCE
LT SAFETY
& NAME EVENT'S
YELLOW CARD
SUSPENSE

SUBJECTS

IN VITRO
IN LAB TRP

HEALTHY
& 100 PT'S

SMALL II
PT'S

LARGE

DVAT

D
HISTORY
&
DYPT

X PT'S
PRESUMED
D

CURRENT & PREVIOUS
FOR REASⁿ & PLANNING
FARM THIS ALLEN
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- 99
- 100

100% SURVIVE
CUMULATIVE
ASSESSMENT

PK PD
EFFICACY
D-R & SAFETY

& MONITORING

4
①
②
③
④