Nombre del alumno: Dulce Mirely Torres Narvaez

Nombre del profesor: Dr. Rosvani Margine Morales Irecta

Nombre del trabajo: El fin….

Materia: Biomatematicas

Grado: 2°

Grupo: C

Comitán de Domínguez Chiapas a 01 de julio de 2022.

FICHA LORATADINA

01-06-22

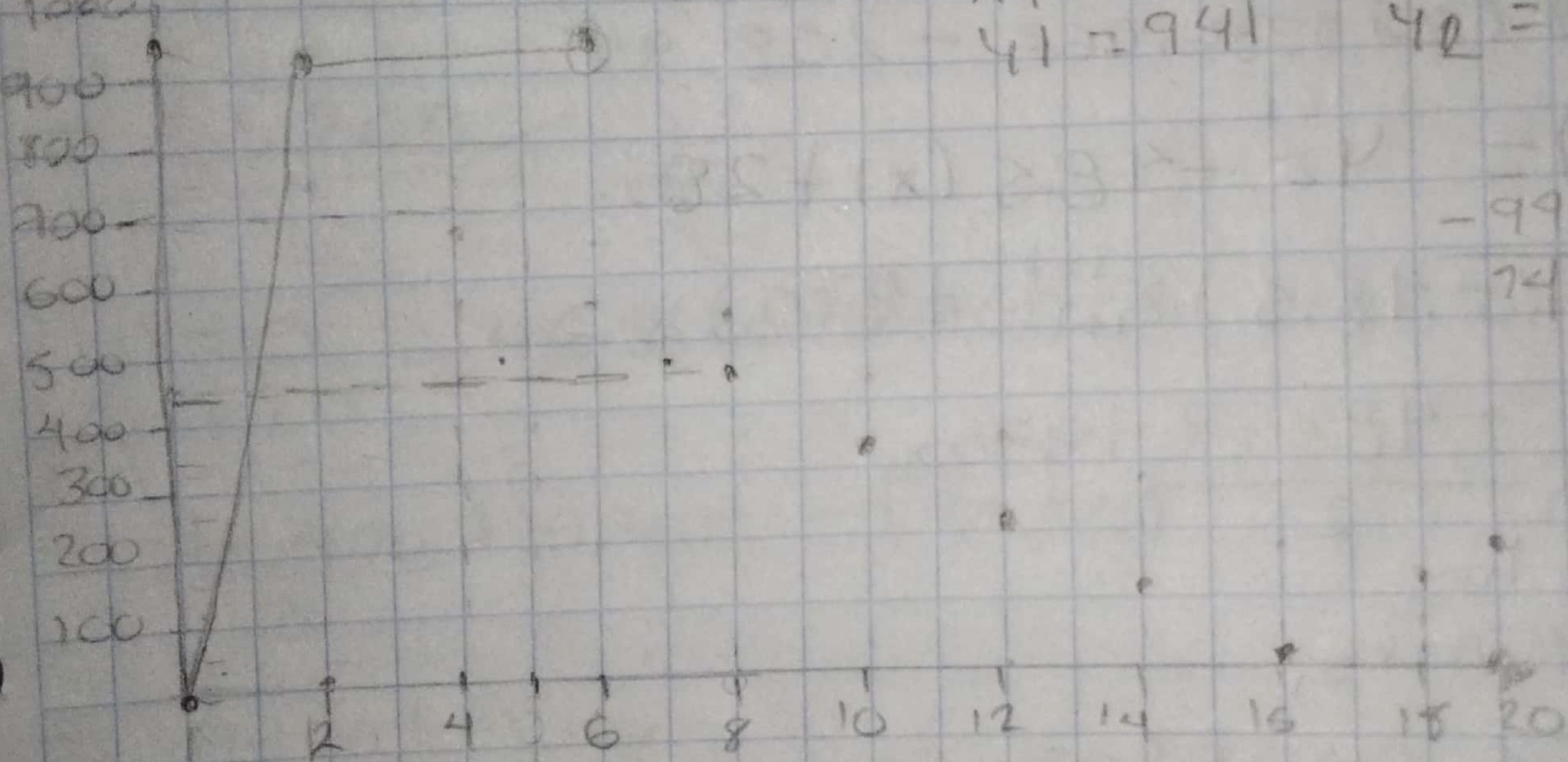
Biodisponibilidad: 97
Vida media: 4 - 30 m.
Proteínas plasmáticas: 97% a 99% — 941
Dosis: 1000 mcg
Eliminación: 20 horas.

$P_1(6, 941)$

$P_2(0, 20x)$ 20,0

$x_1 = 0$ $x_2 = 20$
$y_1 = 970$ $y_2 = 0$

$x_1 = 2$ $x_2 = 20$
$y_1 = 941$ $y_2 = 0$



$$m = \frac{0 - 941}{20 - 2} = \frac{-941}{18} \Rightarrow -52.27$$

$y - y_1 = m(x - x_1)$

$y - 941 = -52.27(x - 2)$

$= -52.27(x - 2) + 941$

$y = -52.27x - 104.54 + 941$

$y = -52.27x + 836.46$

①

$-52.27(2)+836.46=731.92$

$-52.27(4)+836.46=627.38$

$-52.27(6)+836.46=522.84$

$-52.27(8)+836.46=418.3$

$-52.27(10)+836.46=313.72$

$-52.27(12)+836.46=209.22$

$-52.27(14)+836.46=104.68$

$-52.27(16)+836.46=0.14$

$-52.27(18)+836.46=-104.4$

$-52.27(20)+836.46=-208.94$

$f(x)=4=-48.5(x)+970$

$f(x)=-48.5\int x^{1+1}_{1+1}+970\int x=$

$\frac{-48.5x^2+970x}{2}$

$a=0$ hrs

$b=4$ hrs

$=\frac{-48.5(4)^2}{2}+970(4)-(\frac{-48.5(0)^2}{2}+970(0$

$=-\frac{7762}{2}+3,880-(\frac{0}{2}+0)$

$=-385.6+3,880=3,494.4$