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1  $PROBLEM TWO COMPARTMENT SINGLEDOSE ORAL          ;DATE = 6/2/04 PROGRAMMER=XXXX
2                                                    ;Units: Time=hr, Concentration=ug/ml,
3                                                    ;Dose = 100mg or 250mg
4                                                    ;Clearance = L/hr, Volume = L
5
6  $DATA ORAL2EST_PAR.CSV IGNORE=C
7
8  $INPUT ID TIME CONC=DV AMT DOSE MDV
9
10 $SUBROUTINE ADVAN4 TRANS4
11
12 $PK
13   CL = THETA(1)*EXP(ETA(1))      ;CL/F
14   V2 = THETA(2)*EXP(ETA(2))      ;V2/F
15   Q  = THETA(3)*EXP(ETA(3))      ;Q/F
16   V3 = THETA(4)*EXP(ETA(4))      ;V3/F
17   KA = THETA(5)*EXP(ETA(5))      ;Absorption rate constant
18
19   S2 = V2                          ;Scaling factor
20
21
22 $ERROR
23   IPRED=F
24   Y=F+F*ERR(1)+ERR(2)
25                                     ;Additive and proportional residual error model
26
27 $THETA (1,10)      ;POPCL/F
28 $THETA (1,30)      ;POPV2/F
29 $THETA (1,10)      ;POPQ/F
30 $THETA (1,20)      ;POPV3/F
31 $THETA (0.1,3)     ;POPKA
32
33 $OMEGA 0.09        ;BSVCL/F
34 $OMEGA 0.09        ;BSVV2/F
35 $OMEGA 0.09        ;BSVQ/F
36 $OMEGA 0.09        ;BSVV3/F
37 $OMEGA 0.09        ;BSVKA
38
39 $SIGMA 0.0025      ;ERRCV
40 $SIGMA 1           ;ERRSD
41
42 $ESTIMATION METHOD=0 MAXEVAL=9999 PRINT=5 POSTHOC
43 $COVARIANCE
44
45 $TABLE ID TIME DV IPRED DOSE
46   NOPRINT ONEHEADER FILE=ORAL2EST_PAR.FIT
47
48

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