

```

This file is Zr.INP. This case is an acute injection of Zr-89
THALF 3,27E+00          <- Halflife (d)
COMPARTMENTS A(0)       <- Delimiter for initial condition block
Blood_1  1.0
END LIST                <- Delimiter for end of block
TRANSFERS              (/d) <- Delimiter for start of transfer data
Blood_1  ->Muscle  0.391
Blood_1  ->Lung   1.846
Blood_1  ->Liver  1.135
Blood_1  ->Spleen 1.020
Blood_1  ->Stomach 0.631
Blood_1  ->SI_Cont 0.655
Blood_1  ->Kidneys 1.654
Blood_1  ->Bone   21.540
Blood_1  ->Brain  0.190
Blood_1  ->Inflammat 6.602
Blood_1  ->Tumor  10.354
Blood_2  ->UB_Cont      53.3
Muscle   ->Blood_2  0.312
Lung     ->Blood_2  0.684
Liver    ->Blood_2  18.222
Spleen   ->Blood_2  17.014
Stomach  ->Blood_2  0.613
SI_Cont  ->Blood_2  0.579
Kidneys  ->Blood_2  11.716
Brain    ->Blood_2  1.451
Bone     ->Liver    0.300
Bone     ->Spleen   0.660
Inflammat ->Bone    1.080
Tumor    ->Bone     23.398
Blood_1  ->ULI_Cont    1.29E-02
SI_Cont  ->ULI_Cont    6.00E+00
ULI_Cont ->LLI_Cont    1.80E+00
LLI_Cont ->Feces       1.00E+00
UB_Cont  ->Urine       12.0E+00
EOF Data

```

**Figure S1.** WinAct input file of <sup>89</sup>Zr-oxalate