path: result/sparse_numerical_split
filename: 0013

chem formula:
['Mn+7', 'Mn+3', 'Mn+2']

k_max = 1.00e+04
k_cut = 1.00e-02
lam = 5.12e-04
num_eq =   6
loss = 1.43e-02

MRSE train = 1.02e-02
MESE test =   4.87e-02

R2 score

(1) Mn+7	-> Mn+3	k = 0.25
(2) Mn+3	-> Mn+2	k = 16.76
(3) Mn+7 + Mn+2	-> 2 Mn+3	k = 81.38
(4) 2 Mn+3	-> Mn+7 + Mn+2	k = 2.85
(5) 2 Mn+2	-> 2 Mn+3	k = 0.63
(6) Mn+7 + 3 Mn+2	-> 4 Mn+3	k = 10000.00

($[Mn^{7+}]_0$, $[Mn^{2+}]_0$)

sim(Mn^{7+})   sim(Mn^{3+})   sim(Mn^{2+})   exp(Mn^{7+})   exp(Mn^{3+})   exp(Mn^{2+})