3parameter sigmoidal fit:

MEP(s) = MEPmax/[1 + em(S50-s) ]

MEPmax: max Mep

m: slope parameter of the function

S50 = is the TMS intensity at which MEP size is 50% of the maximum MEP

…. Derived from Carroll et al 2001

… similar to Boltzmann equation (Devanne ta al 1997), except that the slope m is the inverse of the Boltzmann slope k, such that an increase in slope will represent a larger increment in MEP size per unit of TMS intensity.