$$1 = \frac{C_{A,E}}{IC_{50,A}\left(\frac{E}{E_{\max}-E}\right)^{1/n_A}} + \frac{C_{B,E}}{IC_{50,B}\left(\frac{E}{E_{\max}-E}\right)^{1/n_B}} + \alpha\frac{C_{A,E}C_{B,E}}{IC_{50,A}IC_{50,B}\left(\frac{E}{E_{\max}-E}\right)^{1/(2n_A)+1/(2n_B)}}$$