



All studies include:

- full report (raw data, standard cell parameters, data analysis)
- dose-effect curves
- efficacy concentrations ( $EC_{50}$ ,  $EC_{10}$ ,  $EC_{90}$ )
- comparison with standard antioxidant(s)

**Assay: AOP 2**

**Cell model:** human keratinocytes HaCaT

**Sample:** sulforaphan (1-isothiocyanato-4-methylsulfinylbutane)

MW = 177.29 g/mol

$EC_{50}$  = 14.4  $\mu$ M (2.55 $\mu$ g/mL)

$EC_{90}$  = 37.1  $\mu$ M (6.57 $\mu$ g/mL)

$EC_{10}$  = 5.6  $\mu$ M (0.99 $\mu$ g/mL)

Fold Increase (gene expression) :

$FI_{50}$  = 4.47 ;  $FI_{10}$  = 1.94 ;  $FI_{90}$  = 7.02

