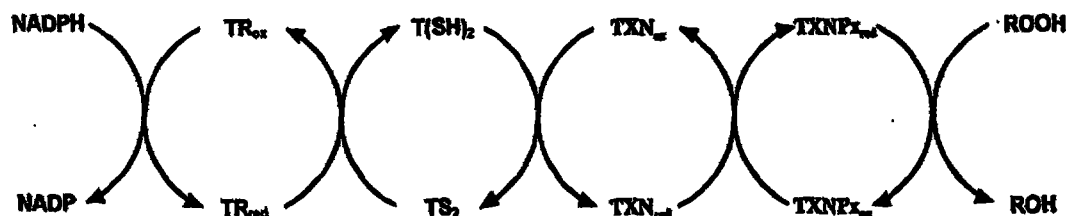




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(54) Title: TRYPAREDOXIN PEROXIDASE



Flux of reducing equivalents from NADPH to hydroperoxide in *C. fasciculata*. TR = trypanothione reductase; T(SH)₂ = trypanothione; TS₂ = trypanothione disulphide; TXN = trypanoxin; TXNPx = trypanoxin peroxidase; ROOH = hydroperoxide.

(57) Abstract

The present invention describes a novel enzyme, trypanoxin peroxidase, its isolation from *Crithidia fasciculata*, a method for the production thereof in genetically transformed bacteria, and its use as molecular target for the discovery of trypanocidal drugs.