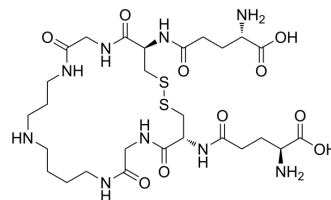


## Trypanothione

Cat. No.:	HY-148205
CAS No.:	96304-42-6
Molecular Formula:	C <sub>27</sub> H <sub>47</sub> N <sub>9</sub> O <sub>10</sub> S <sub>2</sub>
Molecular Weight:	721.85
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Trypanothione is a bis-glutathionyl derivative, found in trypanosomatids. Trypanothione shows the protection against oxidative stress<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Manta B, et al. Trypanothione: a unique bis-glutathionyl derivative in trypanosomatids. *Biochim Biophys Acta*. 2013 May;1830(5):3199-216.
- [2]. Fairlamb AH, et al. Metabolism and functions of trypanothione in the Kinetoplastida. *Annu Rev Microbiol*. 1992;46:695-729.
- [3]. Krauth-Siegel RL, et al. The parasite-specific trypanothione metabolism of trypanosoma and leishmania. *Biol Chem*. 2003 Apr;384(4):539-49.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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