

Endotoxin inhibitor

Cat. No.:	HY-P3912
CAS No.:	147396-10-9
Molecular Formula:	C ₅₅ H ₉₇ N ₁₅ O ₁₂ S ₂
Molecular Weight:	1224.58
Sequence Shortening:	KTKCKFLKKC (Disulfide bridge: Cys4-Cys10)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Endotoxin inhibitor a synthetic peptide that binds lipid A with high affinity, thereby detoxifying LPS (HY-D1056) and preventing LPS-induced cytokine release in vivo. Endotoxin inhibitor inhibits the febrile response to LPS with very low toxicity and lethality ^[1] .
In Vivo	Endotoxin inhibitor (i.p., 0.5 mg/kg) significantly attenuates heat exposure-induced increases in mRNA for IL-1 β , COX-2, I κ B- β , and LPS activity, as well as heat exposure-induced hypothermia and plasma ACTH and catecholamine responses in aged rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Toshihiko Katafuchi, et al. Endotoxin inhibitor blocks heat exposure-induced expression of brain cytokine mRNA in aged rats. Brain Res Mol Brain Res. 2003 Oct 21;118(1-2):24-32.

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

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