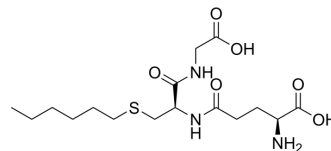


S-Hexylglutathione

Cat. No.:	HY-W013754
CAS No.:	24425-56-7
Molecular Formula:	C ₁₆ H ₂₉ N ₃ O ₆ S
Molecular Weight:	391.48
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	S-Hexylglutathione is an S-substituted glutathione in which the hydrogen of the thiol has been replaced by a hexyl group. S-Hexylglutathione is also a competitive inhibitor against glutathione-S-transferase. S-Hexylglutathione can be used as an affinity chromatographic ligand for glutathione-S-transferase and glutathione peroxidase ^{[1][2]} .
In Vitro	S-Hexylglutathione is bound by human glutathione transferase P1-1 with K _d values of 3.7 μM (Y49F mutant) and 1.27 μM (wild-type), respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Ortiz-Salmerón E, et al. Thermodynamic description of the effect of the mutation Y49F on human glutathione transferase P1-1 in binding with glutathione and the inhibitor S-hexylglutathione. *J Biol Chem.* 2003 Nov 21;278(47):46938-48.
- [2]. Swope MD, et al. Macrophage migration inhibitory factor interactions with glutathione and S-hexylglutathione. *J Biol Chem.* 1998 Jun 12;273(24):14877-84.

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

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