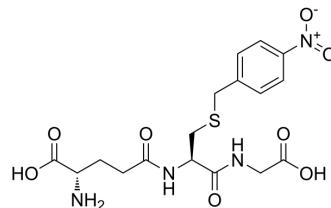


## S-(p-Nitrobenzyl)glutathione

Cat. No.:	HY-148208
CAS No.:	6803-19-6
Molecular Formula:	C <sub>17</sub> H <sub>22</sub> N <sub>4</sub> O <sub>8</sub> S
Molecular Weight:	442.44
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

S-(p-Nitrobenzyl)glutathione is a competitive glutathionase inhibitor. S-(p-Nitrobenzyl)glutathione is converted to the corresponding cysteine derivatives by rat kidney microsomes. S-(p-Nitrobenzyl)glutathione can be used for the research of metabolic breakdown of glutathione by the glutathionase system<sup>[1][2]</sup>.

### REFERENCES

[1]. I García-Sáez, et al. Molecular structure at 1.8 Å of mouse liver class pi glutathione S-transferase complexed with S-(p-nitrobenzyl)glutathione and other inhibitors. *J Mol Biol.* 1994 Apr 1;237(3):298-314.

[2]. T Suga, et al. Studies on mercapturic acids. Participation of glutathionase in the conversion of glutathione derivatives to cysteine derivatives. *J Biochem.* 1966 Aug;60(2):133-9.

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

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