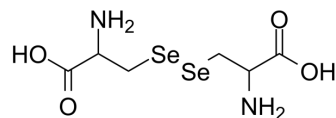


## Selenocystine

Cat. No.:	HY-113064
CAS No.:	2897-21-4
Molecular Formula:	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> Se <sub>2</sub>
Molecular Weight:	334.09
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

**Description** Selenocystine is a broad-spectrum anti-cancer agent. Selenocystine induces DNA damage in HepG2 cells, particularly in the form of DNA double strand breaks (DSBs). Selenocystine exhibits great promise as a therapeutic or adjuvant agent targeting DNA repair for cancer treatment<sup>[1]</sup>.

**IC<sub>50</sub> & Target** IC50: Anti-cancer<sup>[1]</sup>

### CUSTOMER VALIDATION

- Redox Biol. 2024 Apr, 70, 103024.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. Eva Ari Wahyuni, et al. Selenocystine induces oxidative-mediated DNA damage via impairing homologous recombination repair of DNA double-strand breaks in human hepatoma cells. Chem Biol Interact. 2022 Sep 25;365:110046.

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

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