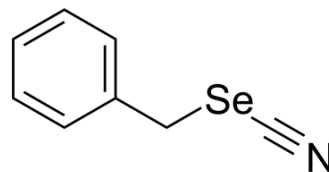


## Benzyl selenocyanate

Cat. No.:	HY-131991
CAS No.:	4671-93-6
Molecular Formula:	C <sub>8</sub> H <sub>7</sub> NSe
Molecular Weight:	196.11
Target:	DNA Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Benzyl selenocyanate is a chemopreventive agent for various chemically induced tumors in animal models at both the initiation and postinitiation stages. Benzyl selenocyanate is an inhibitor of DNA (cytosine-5)-methyltransferase (Mtase), with an $IC_{50}$ of 8.4 $\mu$ M <sup>[1]</sup> .
$IC_{50}$ & Target	Mtase <sup>[1]</sup>
In Vitro	Benzyl selenocyanate inhibits the activity of DNA (cytosine-5)-methyltransferase (Mtase) in a concentration-dependent manner <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. E S Fiala, et al. Inhibition of DNA cytosine methyltransferase by chemopreventive selenium compounds, determined by an improved assay for DNA cytosine methyltransferase and DNA cytosine methylation. *Carcinogenesis*. 1998 Apr;19(4):597-604.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA