

## Sodium Selenite

Reduce agent, Anti-microbial agent

Sodium Selenite used as a dietary supplement. This chemical can lead genotoxic effects on cells because of its strong reducing property. Sodium Selenite that is a byproduct of refining crude oil, can use as an anti-microbial agent against fungi, yeasts, and bacteria.

Sodium Selenite has applications in medicine and healthcare to treat selenium deficiency. Its antibacterial properties are useful for controlling microbial growth in clinical and research settings.

Because sodium selenium inhibits oxidative stress and DNA damage, it plays an important role in cancer research. Researchers look at its capacity to scavenge free radicals and suppress cell division, which may prevent the growth of tumors.

Sodium Selenite is a preservative used in the food industry that extends product shelf life. However, because of potential selenium toxicity and negative health effects, caution in its usage is advised.

Cat. Number	ASC-1015
CAS Number	10102-18-8
MDL Number	MFCD00003489
PubChem	310280155
Molecular Weight	172.94 gr/mol
Molecular Formula	Na <sub>2</sub> SeO <sub>3</sub>
Storage Temperature	20 °C
Form and Color	Powder – White to Light brown / Grey
Purity	98%
Selenium	≥ 45.5 %
Lead (Pb)	≤ 20ppm
Arsenic (As)	≤ 10ppm
Cadmium (Cd)	≤ 5ppm
Mercury (Hg)	≤ 0.1ppm
Loss on Drying	≤ 0.5%