

B-27 Supplement (50X), Serum-free, Minus Vitamin A

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	<p>TargetMol's B-27 Supplement (50X), Serum-free, Minus Vitamin A is a high-performance cell culture supplement specifically designed for central nervous system (CNS) research. It effectively supports neuronal growth, differentiation, and functional maintenance under serum-free conditions. This product is suitable for the in vitro culture of hippocampal neurons and other CNS neurons derived from embryonic, postnatal, and adult tissues. It is widely used in various culture systems, including adherent monolayers and suspension neurospheres. It is an ideal choice for culturing neural progenitor cells and neural stem cells without inducing differentiation. This formulation is a complete B-27 supplement without vitamin A, effectively preventing vitamin A-induced differentiation of stem cells into neurons. It is particularly suitable for culture systems requiring maintenance of stem cells in an undifferentiated state.</p> <p>Supplied as a 50X concentrated solution, B-27 Supplement is recommended for use in combination with Neurobasal or Neurobasal-A medium. It significantly enhances neuronal viability and long-term survival without the need for an astrocyte feeder layer. In addition, this supplement is suitable for culturing neurogenic tumor cell lines and has been widely applied in the establishment and maintenance of organoid models derived from breast, small intestine, stomach, and liver tissues, demonstrating broad applicability across multiple research fields.</p>
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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