

## Advanced Glycosylation End products (AGEs)

**Catalog Number:** BN40025

**Amount:** 10mg/ 50mg

**Source:** Glycated BSA

**Format:** Liquid. 10mg/ml in 10mM PBS (pH7.4).

**Purity:** 98%

**Storage:** Store at  $-20^{\circ}\text{C}$  for one year. When dissolved, avoid repeated freeze/thaw cycles.

**Description:** Advanced Glycation End products (AGEs) are the result of a chain of chemical reactions after an initial glycation reaction. The intermediate products are known, variously, as Amadori, Schiff base and Maillard products, named after the researchers who first described them. (The literature is inconsistent in applying these terms. For example, Maillard reaction products are sometimes considered intermediates and sometimes end products.) Side products generated in intermediate steps may be oxidizing agents (such as hydrogen peroxide), or not (such as beta amyloid proteins). "Glycosylation" is sometimes used for "glycation" in the literature, usually as 'non-enzymatic glycosylation'. The AGE modified BSA was produced by reacting BSA with glycolaldehyde under sterile conditions followed by extensive dialysis and purification steps.

**Important Note:** *This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.*