

CERTIFICATE OF ANALYSIS

Product: Solution of 5'-N-Methyl, 5'-N-butyryl-5'-deoxyadenosine, or 5'-[(3-carboxypropyl)methylamino]-5'-deoxy-adenosine, abbreviated as aza-SAM.

Catalog Number: ACT00201

Lot Number: Lot# ACP421810

Quality Release Date: May 23, 2019

Test	Specification	Result
Appearance	Clear liquid	Clear solution
Concentration	449.08uM	Preparation: Weighed 17.20mg aza-SAM powder (MW 383), add 1ml DMF to dissolve thoroughly, added IB (10mM PB pH 7.4 15mM NaCl, 0.5%BSA, 0.1% Proclin) to 100ml slowly and very accurately. Aliquot and store in a freezer below -25°C.
Storage buffer	10mM PB pH 7.4 150 mM NaCl, 0.5%BSA, 0.1% Proclin	10mM PB pH 7.4 150 mM NaCl, 0.5%BSA, 0.1% Proclin
Stability (below -25°C)	Long term	>5 years

Making 500nM aza-SAM solution: Take 222.67ul stock aza-SAM solution (449.08uM), added 99.7774ml IB to 200ml (carefully control accuracy). Aliquot the final solution as necessary.

Stability of aza-SAM: (1) aliquots of the 500nM aza-SAM solution have been evaluated every year by performing the same ELISA assay. The results indicated concentrations of aza-SAM among different aged samples do not show obvious difference. (2) aliquots of the 500nM aza-SAM solution have been placed at room temperature and 37°C for up to 45 days. The results of the ELISA assays remained similar among different aza-SAM samples in the tests.



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