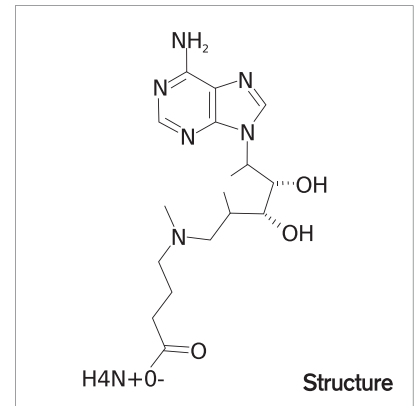


Aza-SAM a/b

Product name	Aza-SAM, Aza-SAM a/b
Catalog Number	AST00201, AST00201-1, AST00201-200
Chemical name	5'-N-Methyl, 5'-N-butyl-5'-deoxyadenosine, or 5'-[(3-carboxypropyl)methylamino]-5'-deoxy-adenosine
Abbreviated name	Aza-deamino-SAM or AdaM
Description	S-adenosylmethionine analog Aza-deamino-SAM.

Properties

Form	Liquid
Molecular formula	C ₁₅ H ₂₅ N ₇ O ₅
Molecular Weight	383
Stability	Stable at 37 °C for at least 2 months
Storage instructions	Refrigerate for long term storage
Storage buffer	PBS 10mM pH7.4 (NaCl 150mM), Proclin 0.1%, BSA 0.5%, Tween-20 0.1%
Purity	100%
Usage	Used as the stable standards of S-adenosylmethionine.
Research Areas	Methylation of biomolecules (DNA, RNA, proteins, hormones, neurotransmitters, etc.) One-carbon metabolism Signal Transduction Metabolism Pathways and Processes Cancer Arthritis Neurodegenerative diseases Atherosclerosis Liver diseases Kidney diseases



Applications

The use of AST00201 in the following tested applications has been tested.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. The product may be used in other not-yet-tested applications.

Application	Notes
cELISA	7.8 nM-250 nM (standard curve)
Rapid test strip	50 nM (competitive inhibition of >80%)