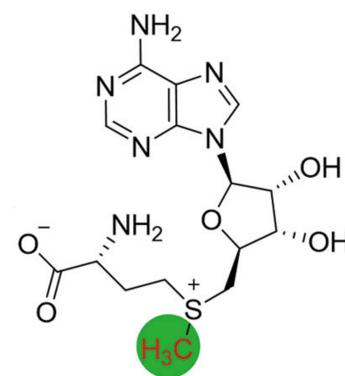


S-adenosylmethionine(SAM)

Product introduction

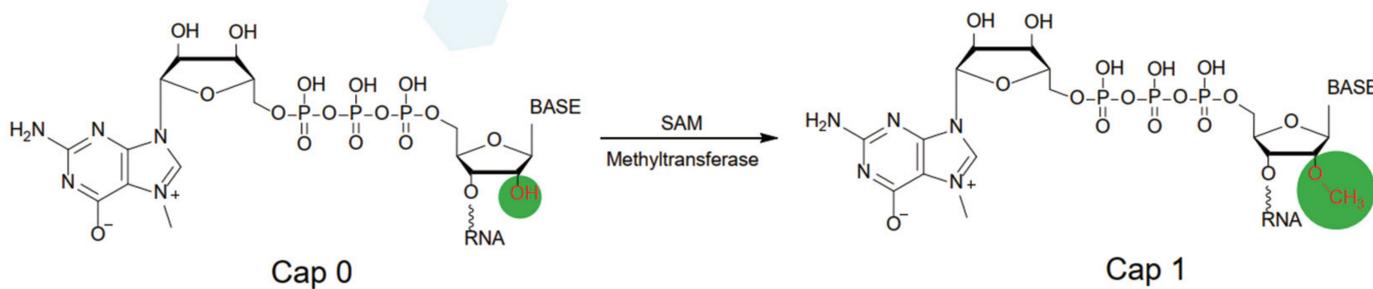
S-adenosylmethionine is the most important methyl donor *in vivo* and an auxiliary substrate involved in methyl transfer reaction. In the synthesis of mRNA *in vitro*, both the hydroxyl group of ribose and the amino group of base need the participation of SAM during methylation.



Structure of SAM

Product performance

The SAM of our company is prepared in 0.005 M and 10% EtOH solution, filtered to provide in the form of aseptic liquid. In the process of mRNA capping, the combination of SAM and methyltransferase can transform the Cap0 structure of the 5' cap region into Cap1 structure.



Item	Purity (HPLC)	Concentration	Endotoxin	Endonuclease/ exonuclease	Microbial residue
Result	>90%(75%S,S)	32 mM±2 mM	<1 EU/mL	Not detectable	Not detectable

Order information

Catalog No.	Product Name	Package
SA-1001	(S-Adenosyl methionine, SAM) (32 mM)	1, 20, 100, 500 mL