



Ver. HB221110

S-adenosylmethionine (SAM) GMP-grade (32 mM)

Product description

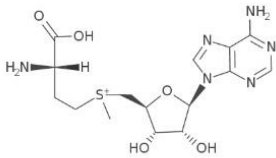
S-Adenosyl methionine (S-Adenosyl methionine, SAM) is an auxiliary substrate involved in the methyl transfer reaction, which in the body is composed of adenosine triphosphate and methionine in the methionine adenosyltransferase under the action of synthesis. SAM is prepared in a solution of 10 mM HCl, 10% Ethanol, pH 4 at 25°C.

This product is produced in accordance with GMP process requirements and provided in liquid form.

Components

Components No.	Name	10619ES02	10619ES25	10619ES50	10619ES76
10619	S-adenosylmethionine (SAM) GMP-grade (32 mM)	0.5 mL	25 mL	50 mL	500 mL

Specifications

CAS No	485-80-3
Formula	C ₁₅ H ₂₃ N ₆ O ₅ S ⁺
Molecular Weight	399.44 g/mol
Purity(HPLC)	> 90%
Content	32 mM ± 2 mM
Composition (1X)	10 mM HCl, 10% Ethanol pH 4 at 25°C
Structure	
Application	<ol style="list-style-type: none"> 1. Enzymatic capping process for mRNA vaccines and therapeutics 2. Enzymatic methylations of biopolymers

Shipping and Storage

The product is shipped with dry ice and can be stored at -15°C ~ -25°C for one year.

Notes

1. For your safety and health, please wear personal protective equipment (PPE), such as laboratory coats and disposable gloves, when operating with this product.
2. Due to the poor stability of SAM, the SAM solution should always be stored at -20°C and thawed on ice.