

HB220514

**Cap1-GAG(3'OMe)m7(3'OMeG)(5')ppp(5')(2'OMeA)pG****GMP-grade (100 mM)****Product Information**

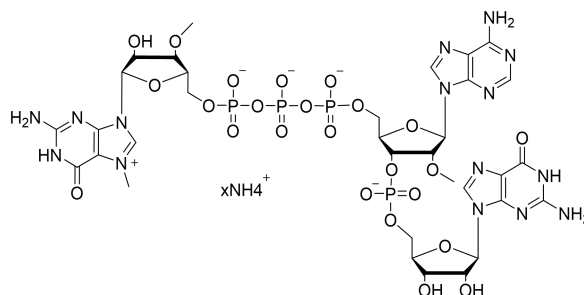
Product Name	Cat#	Size
	10677ES10	10 µL
Cap1-GAG(3'OMe)m7(3'OMeG)(5')ppp(5')(2'OMeA)pG	10677ES60	100 µL
GMP-grade (100 mM)	10677ES76	500 µL
	10677ES80	1 mL

**Product Description**

Cap1-GAG(3'OMe) is a cap analogue with the structure of m7(3'OMeG)(5')ppp(5')(2'OMeA)pG, the molecular formula of it is  $C_{33}H_{45}N_{15}O_{24}P_4$  and the molecular weight is 1159.60. The product is used for transcription with the initial sequence of 5'AG3', and the natural cap1 structure is produced by Cap1 transcription capping. Compared with cap0 produced by traditional capping method, the cap1 structure produced by cap1-GAG (3'OMe) enables the mRNA to have higher activity and translation efficiency in vivo. This product is produced in accordance with GMP process requirements and provided in liquid form.

**Product Nature**

<b>Molecular Formula</b>	$C_{33}H_{45}N_{15}O_{24}P_4$ (free acid)
<b>Molecular weight</b>	1159.60(free acid)
<b>Concentration</b>	$100 \pm 3$ mM
<b>Purity</b>	$\geq 98\%$
<b>Structure</b>	

**Shipping and Storage**

This product is shipped with dry ice and can be stored at  $-15^{\circ}\text{C} \sim -25^{\circ}\text{C}$  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.