

HB230226

## Cap AU-GAU m7G(5')ppp(5')(2'OMeA)pU GMP-grade (100 mM)

### Product Information

Product Name	Cat#	Size
Cap GAU- m7G(5')ppp(5')(2'OMeA)pU GMP-grade (100 mM)	10679ES10	10 $\mu$ L
	10679ES60	100 $\mu$ L
	10679ES76	500 $\mu$ L
	10679ES80	1 mL

### Product Description

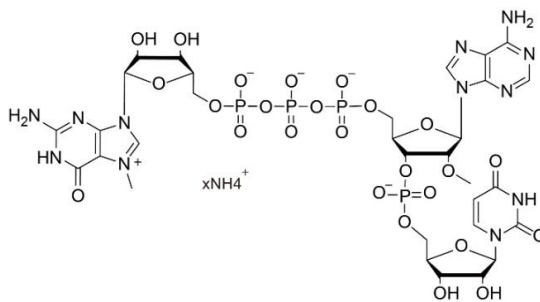
Cap GAU is a cap analogue with the structure of m7G(5')ppp(5')(2'OMeA)pU, the molecular formula of it is  $C_{31}H_{42}N_{12}O_{25}P_4$  and the molecular weight is 1106.6. The product is specifically designed for self-replicating RNAs based on the genomes of positive sense strand RNA viruses such as Venezuelan equine encephalitis virus (VEEV), Semliki forest virus (SFV), and Sindbis virus (SIN).

The (+) strand genomes of these viruses start with a 5'-AU... Cap 1 mRNAs have superior in vivo activity compared to Cap 0 mRNA produced by legacy co-transcriptional capping methods anti-reverse cap analog (ARCA).

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

### Product Nature

<b>Molecular Formula</b>	$C_{31}H_{42}N_{12}O_{25}P_4$ (free acid)
<b>Molecular weight</b>	1106.6 (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  $-25^{\circ}\text{C} \sim -15^{\circ}\text{C}$  for two years.

### 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.