DATA SHEET

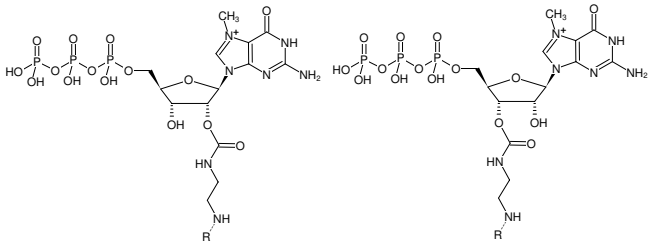
Jena Bioscience

Immobilized 2'/3'-EDA-m^{7}GTP

2'/3'-EDA-7-Methyl-guanosine 5'-triphosphate (2'/3'-EDA-m^{7}GTP) immobilized on Agarose

2'/3'-EDA-m^{7}GTP-Agarose

Cat. No.	Amount
AC-142S	1 ml
AC-142L	5 ml



Structural formula of Immobilized 2'/3'-EDA-m^{7}GTP

	Agarose characteristics
Bead/Particle size	45-165 µm
Recommended linear flow rate	11.5 cm/h
Maximum pressure	0.25 bar (3.6 psi)
pH stability	short term: 4 - 9 / long term: 7.5
Chemical stability	Stable to all solutions commonly used in gel filtration including 8 M urea and 6 M guanidine hydrochloride **Not stable in organic solvents!**
Sterilization	Not autoclavable!

R= Agarose

For research use only!

Shipping: shipped at 4 °C

Storage Conditions: store at 4 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery

Degree of substitution: 5 µmol - 7 µmol 2'/3'-EDA-m^{7}GTP/ml gel

Storage buffer: 20% Ethanol

Selected References:

Zhu *et al.* (2019) Targeting KPNB1 overcomes TRAIL resistance by regulating DR5, Mcl-1 and FLIP in glioblastoma cells. *Cell Death Dis.* **10 (2)**:118.

Zhu *et al.* (2019) XPO1 inhibitor KPT-330 synergizes with Bcl-xL inhibitor to induce cancer cell apoptosis by perturbing rRNA processing and Mcl-1 protein synthesis. *Cell Death Dis.* **10 (6)**:395.

William *et al.* (2018) eIF4E-Binding Proteins 1 and 2 Limit Macrophage Anti-Inflammatory Responses through Translational Repression of IL-10 and Cyclooxygenase-2. *J. Immunol.* **doi**:10.4049.

Posternak *et al.* (2017) MYC Mediates mRNA Cap Methylation of Canonical Wnt/β-catenin Signaling Transcripts by Recruiting CDK7 and RNA Methyltransferase. *Mol. Cancer Res.* **15 (2)**:213.

Xu *et al.* (2016) Improved transcription and translation with L-leucine stimulation of mTORC1 in Roberts syndrome. *BMC Genomics* **17**:25.

Liberman *et al.* (2015) DAP5 associates with eIF2β and eIF4AI to promote Internal Ribosome Entry Site driven translation. *Nucleic Acids Res.* **43 (7)**:3764.