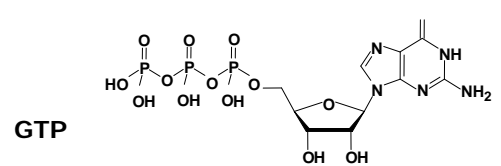
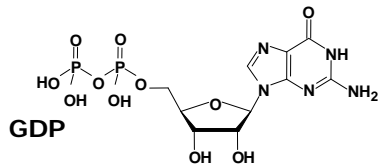
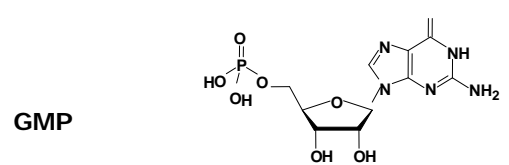
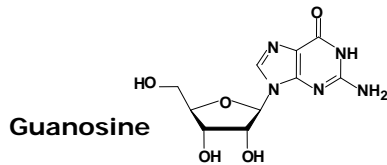


DATA SHEET

Guanosine - Nucleotide HPLC Retention Time Standard

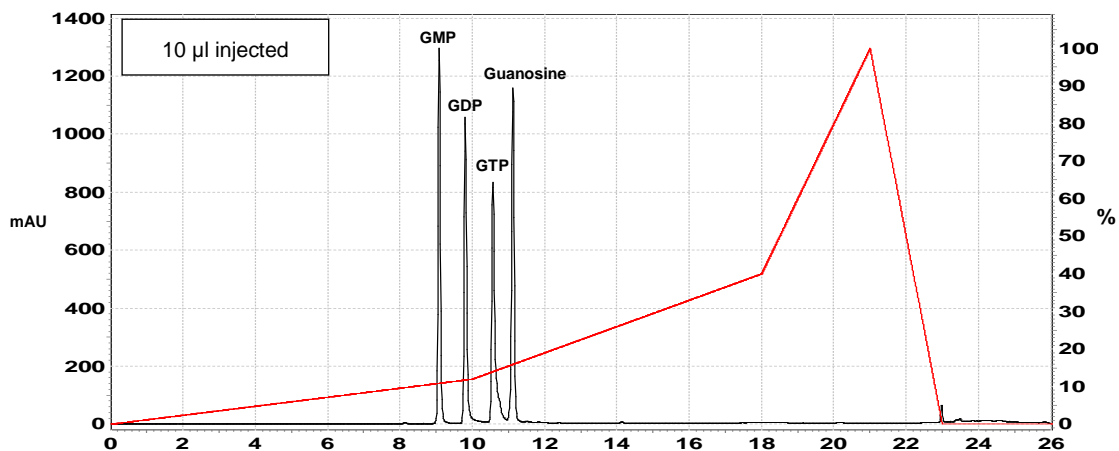
Cat.-No.	Amount
NK-117-100	100 µl (equimolar mixture, 1 mM each)

Field of use	HPLC standard, molecular biology
Product	Sodium salts of Guanosine, Guanosine 5'-monophosphate (GMP), Guanosine 5'-diphosphate (GDP), Guanosine 5'-triphosphate (GTP),
CAS Numbers	118-00-3, 5550-12-9, 43139-22-6, 36051-31-7
Structural formula	



Physical Constants

Concentration	1 mM (each nucleoside/nucleotide) in Tris-HCl, pH 8.3
λ max	252 nm (pH 7)
Absorbance (ϵ at λ max)	14.2 mmol ⁻¹ cm ⁻¹



Guanosine-Nucleotide HPLC Retention Time Standard (10 µl) was analyzed by C18-Reversed Phase HPLC in 0.1 M TEAA buffer/acetonitrile pH 6.5. The four nucleotides are well separated with GMP eluting first (9.1 min) followed by GDP (9.8 min), GTP (10.6 min) and finally the most hydrophobic nucleoside Guanosine (11.1 min).