

Product Information

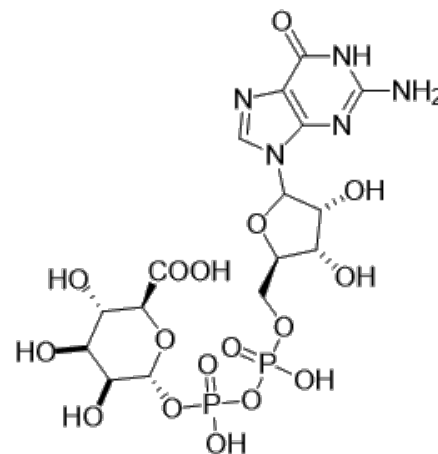
ManA-GDP, Purity $\geq 95\%$

Cat. No.: X25-11-YM114

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: GDP-ManA

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	ManA-GDP is a nucleotide sugar where mannuronic acid (ManA) is linked to guanosine diphosphate, acting as a key substrate in the enzymatic synthesis of alginate-like polysaccharides.
Molecular Weight	619.06
Molecular Formula	$C_{16}H_{23}N_5O_{17}P_2$
Form	Solid or powder
Purity	$\geq 95\%$
Impurities	No visible impurities to the naked eye.
Solubility	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
Identity	Confirmed by NMR.
Stability	It is stable under its storage temperature.
Quality Level	Research level
Applications	ManA-GDP can serve as a substrate for mannuronic acid incorporation in bacterial alginate production studies.
Storage	Store at -20°C , protect from light and moisture.