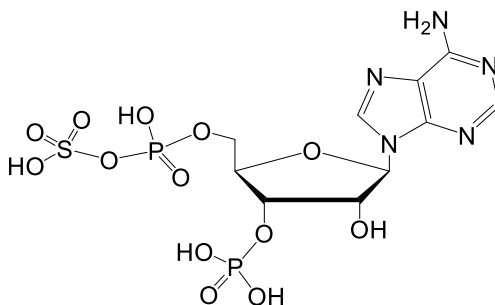


Specifications for PAPS

Chemical name: 3'-phosphoadenosine 5'-phosphosulfate

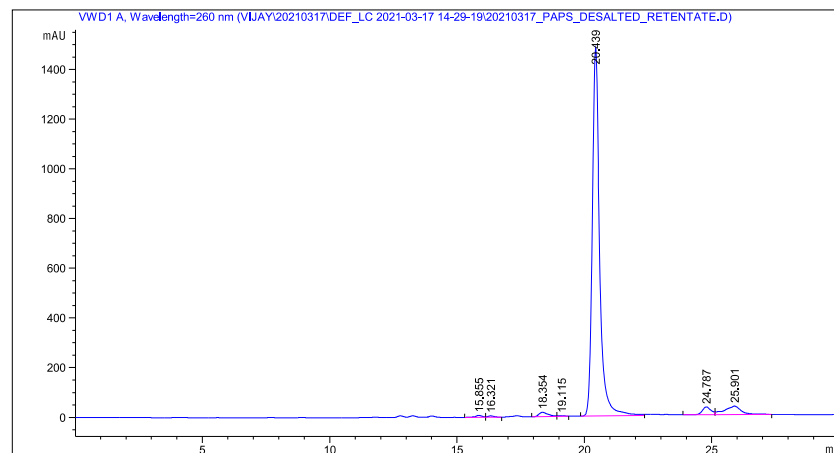
Chemical Structure:



	Method	Acceptance Criteria
Appearance	Clear solution*	Clear Solution
Identity	Propac anion exchange HPLC	Co-eluted with PAPS reference compound
Purity HPLC test (area %)	Propac anion exchange HPLC	≥ 91%
Concentration	75 ± 50 mM	124 mM
MW measurement	Electrospray ionization mass spectrometry	507 ± 0.5 Da
Protein contamination (w/w)	Measured by Bradford method	0.05%

*PAPS is in 25 mM Tris (pH 7.5).

HPLC Purity Analysis



Mass Spec Identity Test:

20210317_GMP-PAPS_desalted #29-210 RT: 0.31-2.28 AV: 182 NL: 9.07E4
T: ITMS - p ESI Full ms [150.00-1000.00]

