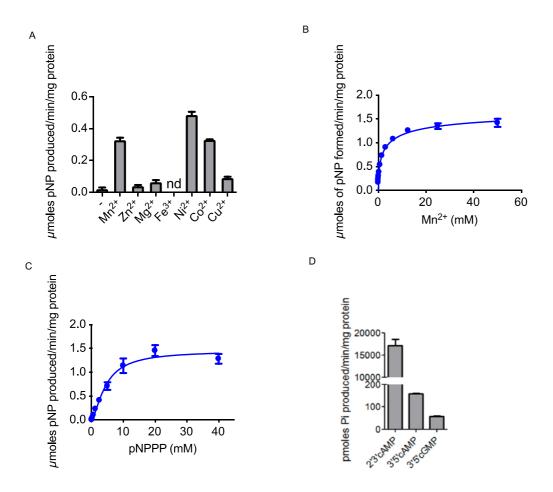
Biochemical characterization of dMPPED



(A) Activity of dMpped (500 ng) was assayed in the presence of 10 mM pNPPP and 5 mM of the indicated metals. Values represent the mean \pm S.D. of duplicate determinations carried out using two independent protein preparations. (B) dMpped (500 ng) was assayed in the presence of 30 mM pNPPP and varying concentrations of Mn²+. Values represent the mean \pm S.D. of duplicate determinations, carried out using two independent protein preparations. (C) dMpped (500 ng) was assayed in the presence of 5 mM Mn²+ and indicated concentrations of pNPPP. Values represent the mean \pm S.D. of duplicate determinations using two independent protein preparations. (D) Assays were performed with dMppedD (5 μ g) in the presence of 1 mM 2'3' or 3'5' cAMP or 5 mM 3', 5' cGMP and 5 mM Mn²+. Free inorganic phosphate released from either 2', 3' or 5' AMP formed following phosphodiesterase-mediated hydrolysis of the cyclic nucleotides was measured by the malachite green assay.