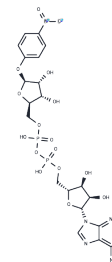


pNP-ADPr

Chemical Properties

CAS No. :	939028-75-8
Formula:	C ₂₁ H ₂₆ N ₆ O ₁₆ P ₂
Molecular Weight:	680.41
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	pNP-ADPr is a colorimetric substrate used in continuous activity assays for Poly(ADP-ribose) glycohydrolase (PARG) and ADP-ribosyl hydrolase 3 (ARH3), aiding research on poly(ADP-ribose) polymerase (PARP) enzymes.
Targets(IC50)	Others, Poly(ADP-ribose) Glycohydrolase (PARG)
In vitro	pNP-ADPr serves as a colorimetric substrate utilized in the inaugural continuous assays for Poly(ADP-ribose) glycohydrolase (PARG) and ADP-ribosyl hydrolase 3 (ARH3) activity [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4697 mL	7.3485 mL	14.697 mL
5 mM	0.2939 mL	1.4697 mL	2.9394 mL
10 mM	0.147 mL	0.7349 mL	1.4697 mL
50 mM	0.0294 mL	0.147 mL	0.2939 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Drown BS, et al. Monitoring Poly(ADP-ribosyl)glycohydrolase Activity with a Continuous Fluorescent Substrate. Cell Chem Biol. 2018;25(12):1562-1570.e19.

Nottbohm AC, et al. A colorimetric substrate for poly(ADP-ribose) polymerase-1, VPARP, and tankyrase-1. Angew Chem Int Ed Engl. 2007;46(12):2066-2069.

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