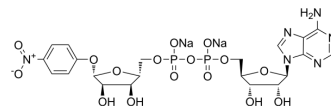


pNP-ADPr disodium

Cat. No.:	HY-134354A
Molecular Formula:	C ₂₁ H ₂₄ N ₆ Na ₂ O ₁₆ P ₂
Molecular Weight:	724.37
Target:	Poly(ADP-ribose) Glycohydrolase (PARG)
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro H₂O : 250 mg/mL (345.13 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3805 mL	6.9025 mL	13.8051 mL
	5 mM	0.2761 mL	1.3805 mL	2.7610 mL
	10 mM	0.1381 mL	0.6903 mL	1.3805 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description pNP-ADPr disodium is a colorimetric substrate that used for the first continuous Poly(ADP-ribose) glycohydrolase (PARG) and ADP-ribosyl hydrolase 3 (ARH3) activity assays. pNP-ADPr disodium can be used for the research of poly(ADP-ribose)polymerase (PARP) enzymes^{[1][2]}.

In Vitro pNP-ADPr is a colorimetric substrate that used for the first continuous Poly(ADP-ribose) glycohydrolase (PARG) and ADP-ribosyl hydrolase 3 (ARH3) activity assays^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Drown BS, et al. Monitoring Poly(ADP-ribosyl)glycohydrolase Activity with a Continuous Fluorescent Substrate. Cell Chem Biol. 2018;25(12):1562-1570.e19.
- [2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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