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Zuschläge

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SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

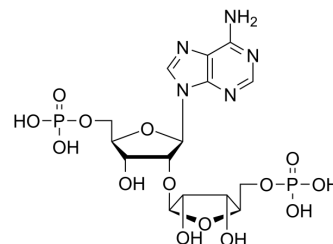
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iso-ADP ribose

Cat. No.:	HY-135782
CAS No.:	15720-01-1
Molecular Formula:	C ₁₅ H ₂₃ N ₅ O ₁₄ P ₂
Molecular Weight:	559.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

iso-ADP ribose (isoADPr) is a ligand used for protein nucleic acid modification. iso-ADP ribose is a structure comprising parts of two consecutive ADP-ribosyl units within the PAR chain. iso-ADP ribose is the small-molecule ligand for RING finger protein 146 (RNF146) WWE. A single iso-ADP ribose molecule triggers the activation of RNF146 by interacting with the basic Lys61 residue in the RING domain^{[1][2]}.

REFERENCES

- [1]. Kewen Peng, et al. Iso-ADP-Ribose Fluorescence Polarization Probe for the Screening of RNF146 WWE Domain Inhibitors. ACS Chem Biol. 2024 Feb 16;19(2):300-307.
- [2]. Federico Teloni, et al. Readers of poly(ADP-ribose): designed to be fit for purpose. Nucleic Acids Res. 2016 Feb 18;44(3):993-1006.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA