2′-pRib-AMP

Isomeric analogue of the natural signal molecule ADPR

BLG-P128-025 (5 x 0.5 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

Ordering Information

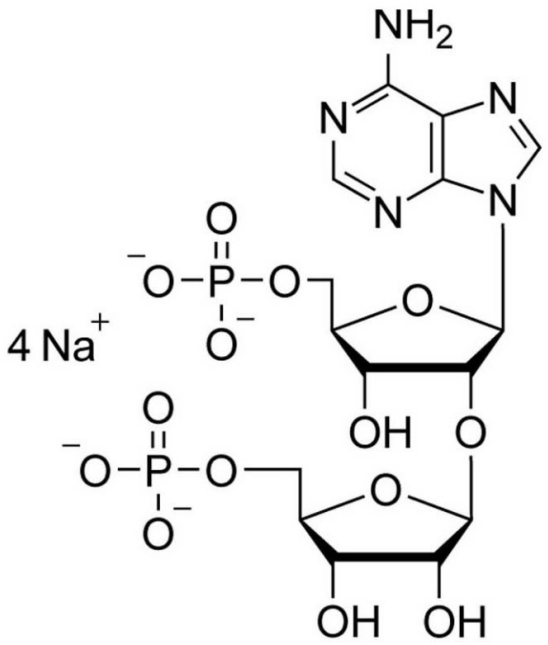
Order Online »

BLG-P128-005	0.5µmol
BLG-P128-025	5x0.5µmol

Manuals, SDS & CofA

View Online »

2'-pRib-AMP is the monomeric metabolite of poly(ADP-ribose) (PAR) and can be used to detect and analyse PAR-specific binding properties of poly(ADP-ribose) polymerases. Recent studies have shown that plant nucleotide-binding leucine-rich repeat (NLR) receptors with an N-terminal Toll/interleukin-1 receptor (TIR) domain recognise pathogen effectors. The TIR-enabled nicotinamideadenine dinucleotide hydrolase (NADase) activity is used to mediate the immune response. It has been shown that TIR-containing proteins can biocatalyse the production of 2'-pRib-AMP from NAD+ in plants, and it has been postulated that 2'-pRib-AMP may have a second messenger function in TIR signalling of plant immunity.


NH2
N
N
N
N
O
O
P
O
O
O
4 Na+
O
OH
O
O
P
O
O
O
OH
OH

Handling & Storage

Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2′-(5”-Phosphoribosyl)-adenosine-5′-O-monophosphate . sodium salt, 2′-pRib-5′-AMP, iso-ADPR
CAS	1672716-76-5
Formula	$C_{15}H_{23}N_5O_{14}P_2$ (free acid)
MW	559.3 (free acid)
Purity	> 95% HPLC
Quantity	0.5 µmol = ~280 µg
Technical Info / Product Notes	For the Original Manufacturer’s data sheet please click here.

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