His-ADPR / Histidine-ADPR

Analogue of ADPR identified as new second messenger in type II Thoeris defence system in bacteria

His-ADPR is a unique signaling molecule produced by the Toll/interleukin-1 receptor (TIR) domain protein of the type II Thoeris defense system in bacteria. It is formed in response to phage infection and activates the corresponding Thoeris effector by binding to a macro domain located at the C-terminus of the effector protein. His-ADPR is the first described member of a new class of TIR-derived immune signaling molecules that combine nucleotide and amino acid subunits.

BLG-H042-025 (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-H042-005	0.5µmol
BLG-H042-025	5x0.5µmol

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Adenosine-5′-O-diphospho-1”-β-(NE1(τ)-L-histidine)-ribose . sodium salt
Appearance	Solid
Couple Type	Modified nucleotides
Formula	$C_{21}H_{30}N_8O_{15}P_2$ (free acid)
MW	696.5 (free acid)
Purity	> 98 % HPLC
Quantity	0.5 µmol are equivalent to ~0.3 mg
Technical Info / Product Notes	For the Original Manufacturer’s data sheet please click here.

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