AMPCPR

Analogue of ADPR with improved stability well suited for protein crystallization studies and characterization of receptor proteins

AMPCPR is an ADPR mimic with improved hydrolytic stability, suitable for the characterization and crystallization of NUDIX hydrolases. NUDIX hydrolases are a superfamily of hydrolytic enzymes capable of cleaving nucleoside diphosphates linked to another moiety X. Within the superfamily, several categories are classified based on their substrate specificities, like the MutT family hydrolases, the ADPR pyrophosphatases, the NADH hydrolases, and the ApnA hydrolases. AMPCPR was reported to interact with the nudix-type motif 9 (NUDT9)-homolog domain of transient receptor potential melastatin 2 (TRPM2), a frequently studied cation channel involved in multiple physiologic and pathophysiologic processes.

BLG-A290-05 (5 x 1 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.

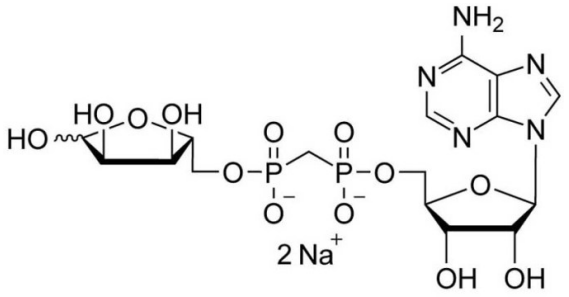
Ordering Information

Order Online »

BLG-A290-01	1µmol
BLG-A290-05	5x1µmol

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-(α, β-methylene)diphosphoribose . sodium salt
Appearance	Solid
CAS	182950-50-1
Couple Type	Modified nucleotides
Formula	$C_{16}H_{25}N_5O_{13}P_2$ (free acid)
MW	557.3
Purity	> 95% HPLC
Quantity	1µmol is equivalent to ~0.6 mg
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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