



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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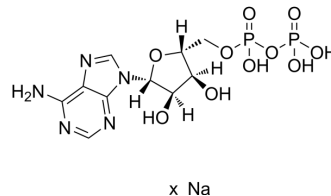
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## Adenosine 5'-diphosphate sodium salt

<b>Cat. No.:</b>	HY-W010791
<b>CAS No.:</b>	20398-34-9
<b>Molecular Formula:</b>	$C_{10}H_{15}N_5O_{10}P_2 \cdot xNa$
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-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)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Adenosine 5'-diphosphate (ADP) sodium salt is a nucleoside diphosphate, which is the product of ATP dephosphorylation by ATPases. Adenosine 5'-diphosphate sodium salt induces human platelet aggregation and inhibits stimulated adenylate cyclase by an action at P <sub>2T</sub> -purinoceptors <sup>[1][2][3]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

- [1]. Arts IC, et al. Adenosine 5'-triphosphate (ATP) supplements are not orally bioavailable: a randomized, placebo-controlled cross-over trial in healthy humans. *J Int Soc Sports Nutr.* 2012 Apr 17;9(1):16.
- [2]. Noel J. Cusack, et al. Effects of phosphate-modified analogs of adenosine 5'-diphosphate and adenosine 5'-triphosphate at P<sub>2T</sub>-purinoceptors mediating human platelet activation by ADP. April 1996.
- [3]. Adenosine-5'-diphosphate

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

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