



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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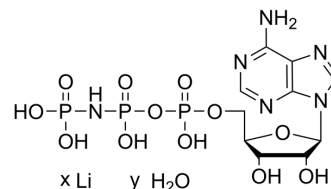
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## AMP-PNP lithium hydrate

Cat. No.:	HY-130777A
Molecular Formula:	$C_{10}H_{17}N_6O_{12}P_3 \cdot xLi \cdot yH_2O$
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic and warming)
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### BIOLOGICAL ACTIVITY

Description	AMP-PNP lithium hydrate is a non-hydrolyzable analog of ATP. AMP-PNP can replace ATP for biological research and is not hydrolyzed by intracellular enzymes. In the study of BtuCD-F, a vitamin B12 transporter, it was found that AMP-PNP can block the channel formed by the two BtuCDs of the BtuCD-F complex, thereby preventing the entry of vitamin B12 <sup>[1]</sup> .
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### REFERENCES

[1]. Korkhov VM, et al. Structure of AMP-PNP-bound vitamin B12 transporter BtuCD-F. Nature. 2012 Oct 18;490(7420):367-72.

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

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