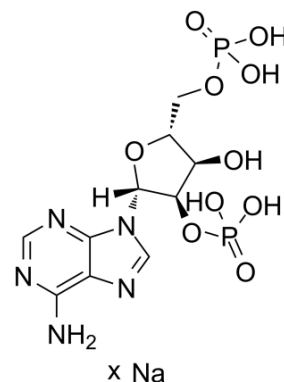


## Adenosine 2',5'-diphosphate sodium

Cat. No.:	HY-N7740
CAS No.:	154146-84-6
Molecular Formula:	C <sub>10</sub> H <sub>15</sub> N <sub>5</sub> O <sub>10</sub> P <sub>2</sub> ·xNa
Target:	P2Y Receptor; Endogenous Metabolite
Pathway:	GPCR/G Protein; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Adenosine 2',5'-diphosphate sodium is a competitive P2Y1 antagonist. Adenosine 2',5'-diphosphate sodium exhibits non-selective antagonism at recombinant and human platelet P2X1 receptors <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite
In Vitro	Adenosine 2',5'-diphosphate non-selectively antagonizes the platelet P2X1 ion channel <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Boyer JL, et al. Identification of competitive antagonists of the P2Y1 receptor. *Mol Pharmacol*. 1996;50(5):1323-1329.

[2]. Toth-Zsamboki E, et al. The P2Y1 receptor antagonist adenosine-2',5'-diphosphate non-selectively antagonizes the platelet P2X1 ion channel. *Thromb Haemost*. 2001;86(5):1338-1339.

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

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