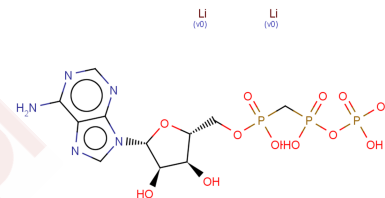


$\alpha,\beta$ -Methylene-ATP dilithium

## Chemical Properties

CAS No. :	104809-20-3
Formula:	C <sub>11</sub> H <sub>16</sub> Li <sub>2</sub> N <sub>5</sub> O <sub>12</sub> P <sub>3</sub>
Molecular Weight:	517.07
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	$\alpha,\beta$ -Methylene ATP dilithium, a phosphonic analog of ATP, serves as a ligand for P2X3 and P2X7 receptors. It is a potent agonist specifically targeting P2X1 and P2X3 receptors while exerting negligible activity on P2X2, P2X4, P2X5, P2X6, and P2X7 receptors.
Targets(IC50)	Others,P2X Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.934 mL	9.6699 mL	19.3397 mL
5 mM	0.3868 mL	1.934 mL	3.8679 mL
10 mM	0.1934 mL	0.967 mL	1.934 mL
50 mM	0.0387 mL	0.1934 mL	0.3868 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Arribas-Blázquez M, et al. Overexpression of P2X3 and P2X7 Receptors and TRPV1 Channels in Adrenomedullary Chromaffin Cells in a Rat Model of Neuropathic Pain. *Int J Mol Sci.* 2019 Jan 3;20(1).
- Claudio Coddou, et al. Activation and regulation of purinergic P2X receptor channels. *Pharmacol Rev.* 2011 Sep;63(3):641-83

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