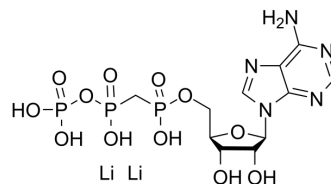


α,β -Methylene-ATP dilithium

Cat. No.:	HY-134440
CAS No.:	104809-20-3
Molecular Formula:	$C_{11}H_{18}Li_2N_5O_{12}P_3$
Molecular Weight:	519.09
Target:	P2X Receptor
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α,β -Methylene ATP dilithium, a phosphonic analog of ATP, is a P2X3 and P2X7 receptor ligand ^[1] . α,β -Methylene ATP dilithium is a highly selective agonist for P2X1 and P2X3, with practically no activity at P2X2,4-7 ^[2] .		
IC₅₀ & Target	p2x1 Receptor	P2X3 Receptor	P2X7 Receptor

REFERENCES

[1]. 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).

[2]. Claudio Coddou, et al. Activation and regulation of purinergic P2X receptor channels. *Pharmacol Rev.* 2011 Sep;63(3):641-83

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

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