

ATP (disodium salt)

Catalog No: tcsc2387



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

987-65-5

Formula:

$C_{10}H_{14}N_5Na_2O_{13}P_3$

Pathway:

Membrane Transporter/Ion Channel

Target:

P2X Receptor

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 36 mg/mL (65.32 mM)

Alternative Names:

Disodium adenosine triphosphate; Adenosine 5'-triphosphate disodium salt

Observed Molecular Weight:

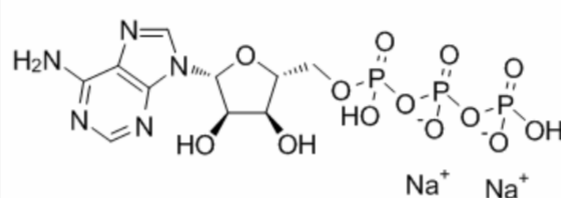
551.14

Product Description

ATP Disodium salt is a P2 purinoceptor agonist.

Target: P2X Receptor

ATP Disodium salt is a P2 purinoceptor agonist. P2X receptor functions as a ligand-gated ion channel and may transduce ATP-evoked nociceptor activation. Mouse studies suggest that this receptor is important for peripheral pain responses, and also participates in pathways controlling urinary bladder volume reflexes. It is possible that the development of selective antagonists for this receptor may have a therapeutic potential in pain relief and in the treatment of disorders of urine storage [1-3].



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