

## Neladenoson dalanate HCl

## Chemical Properties

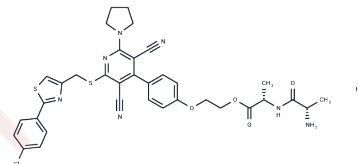
CAS No. : 1239235-25-6

Formula: C<sub>35</sub>H<sub>35</sub>Cl<sub>2</sub>N<sub>7</sub>O<sub>4</sub>S<sub>2</sub>

Molecular Weight: 752.73

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	Neladenoson dalanate HCl is a potent, selective, orally active partial agonist of adenosine A <sub>1</sub> receptor (EC <sub>50</sub> : 0.1 nM).
Targets(IC <sub>50</sub> )	Others, Adenosine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3285 mL	6.6425 mL	13.285 mL
5 mM	0.2657 mL	1.3285 mL	2.657 mL
10 mM	0.1328 mL	0.6642 mL	1.3285 mL
50 mM	0.0266 mL	0.1328 mL	0.2657 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

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Baltos JA, Vecchio EA, Harris MA, Qin CX, Ritchie RH, Christopoulos A, White PJ, May LT. Capadenoson, a clinically trialed partial adenosine A(1) receptor agonist, can stimulate adenosine A(2B) receptor biased agonism. *Biochem Pharmacol*. 2017 Jul 1;135:79-89. doi: 10.1016/j.bcp.2017.03.014. Epub 2017 Mar 23. PubMed PMID: 28344125.

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Voors AA, Düngen HD, Senni M, Nodari S, Agostoni P, Ponikowski P, Bax JJ, Butler J, Kim RJ, Dorhout B, Dinh W, Gheorghiade M. Safety and Tolerability of Neladenoson Bialanate, a Novel Oral Partial Adenosine A1 Receptor Agonist, in Patients With Chronic Heart Failure. *J Clin Pharmacol*. 2017 Apr;57(4):440-451. doi: 10.1002/jcph.828. Epub 2016 Nov 9. PubMed PMID: 27624622.

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