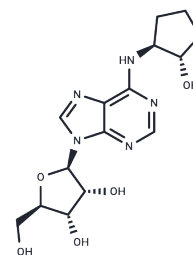


GR79236

## Chemical Properties

CAS No. : 124555-18-6  
 Formula: C<sub>15</sub>H<sub>21</sub>N<sub>5</sub>O<sub>5</sub>  
 Molecular Weight: 351.36  
 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	GR79236 is an effective and selective adenosine A1 receptor agonist (K <sub>i</sub> : 3.1 nM) that has analgesic and anti-inflammatory actions.
Targets(IC50)	Adenosine Receptor
In vivo	GR79236 has been shown to have antinociceptive and anti-inflammatory properties in animal models. GR79236 inhibits the release of CGRP evoked by superior sagittal sinus (SSS) stimulation in the cat and inhibits trigeminal nucleus firing in the cat and rat. GR79236X has acute, short-term analgesic efficacy.

## Solubility Information

Solubility	H <sub>2</sub> O: 98 mg/mL (278.92 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8461 mL	14.2304 mL	28.4608 mL
5 mM	0.5692 mL	2.8461 mL	5.6922 mL
10 mM	0.2846 mL	1.423 mL	2.8461 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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

Sneyd JR, et al. Multicentre evaluation of the adenosine agonist GR79236X in patients with dental pain after third molar extraction. *Br J Anaesth*. 2007 May;98(5):672-676.

Arulmani U, et al. Lack of effect of the adenosine A1 receptor agonist, GR79236, on capsaicin-induced CGRP release in anaesthetized pigs. *Cephalalgia*. 2005 Nov;25(11):1082-90.

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