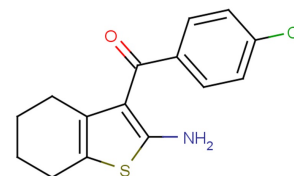


## Adenosine A1 receptor activator T62

## Chemical Properties

CAS No.:	40312-34-3
Formula:	C <sub>15</sub> H <sub>14</sub> ClNOS
Molecular Weight:	291.8
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Adenosine A1 receptor activator T62 is an allosteric enhancer of adenosine A1 receptor, and it produces antinociception in animal models of acute pain and also reduces hypersensitivity in models of inflammatory and nerve-injury pain[1][2][3].
Targets(IC <sub>50</sub> )	Adenosine A1 receptor: None
In vivo	Adenosine A1 receptor activator T62 (0.3-3 µg; intrathecal administration; male SpragueDawley rats) treatment produces a dose-dependent antihypersensitivity effect. However it has no effect on ambulation or activity level[1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.427 mL	17.135 mL	34.27 mL
5 mM	0.685 mL	3.427 mL	6.854 mL
10 mM	0.343 mL	1.714 mL	3.427 mL
50 mM	0.069 mL	0.343 mL	0.685 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

- Obata H, et al. Spinal adenosine receptor activation reduces hypersensitivity after surgery by a different mechanism than after nerve injury. *Anesthesiology*. 2004 May;100(5):1258-62.
- Li X, et al. Allosteric adenosine receptor modulation reduces hypersensitivity following peripheral inflammation by a central mechanism. *J Pharmacol Exp Ther*. 2003 Jun;305(3):950-5.
- Soudijn W, et al. Allosteric modulation of G protein-coupled receptors: perspectives and recent developments. *Drug Discov Today*. 2004 Sep 1;9(17):752-8.

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