

AS1069562

Chemical Properties

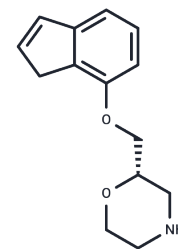
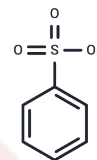
CAS No. : 1214994-13-4

Formula: C₂₀H₂₃NO₅S

Molecular Weight: 389.46

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	AS1069562 is an inhibitor of serotonin (5-HT) and norepinephrine (NE) reuptake which acts by notably restoring reduced insulin-like growth factor 1 and fibroblast growth factor 2 mRNA levels in dorsal root ganglion and spinal cord, respectively.
Targets(IC50)	Others,5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5677 mL	12.8383 mL	25.6766 mL
5 mM	0.5135 mL	2.5677 mL	5.1353 mL
10 mM	0.2568 mL	1.2838 mL	2.5677 mL
50 mM	0.0514 mL	0.2568 mL	0.5135 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

- Murai N, Fushiki H, Honda S, Murakami Y, Iwashita A, Irie M, Tamura S, Nagakura Y, Aoki T. Relationship between serotonin transporter occupancies and analgesic effects of AS1069562, the (+)-isomer of indeloxazine, and duloxetine in reserpine-induced myalgia rats. *Neuroscience*. 2015 Mar 19;289:262-9. doi: 10.1016/j.neuroscience.2014.12.065. Epub 2015 Jan 13. PubMed PMID: 25595980.
- Murai N, Takeshita N, Nishigaki F, Irie M, Tamura S, Aoki T, Matsuoka N. AS1069562, the (+)-isomer of indeloxazine, exerts analgesic effects in rat models of nociceptive pain. *Neurol Res*. 2015 Jun;37(6):525-30. doi: 10.1179/1743132815Y.0000000007. Epub 2015 Jan 16. PubMed PMID: 25591424.
- Murai N, Tsukamoto M, Tamura S, Aoki T, Matsuoka N. Antinociceptive effects of AS1069562, the (+)-isomer of indeloxazine, on spinal hypersensitivity induced by intrathecal injection of prostaglandin in mice: comparison with duloxetine and amitriptyline. *Eur J Pharmacol*. 2014 Jun 15;733:54-61. doi: 10.1016/j.ejphar.2014.03.038. Epub 2014 Apr 1. PubMed PMID: 24704374.
- Murai N, Aoki T, Tamura S, Sekizawa T, Kakimoto S, Tsukamoto M, Oe T, Enomoto R, Hamakawa N, Matsuoka N. AS1069562, the (+)-isomer of indeloxazine, exerts analgesic effects in a rat model of neuropathic pain with unique characteristics in spinal monoamine turnover. *J Pharmacol Exp Ther*. 2014 Mar;348(3):372-82. doi: 10.1124/jpet.113.208686. Epub 2013 Dec 12. PubMed PMID: 24338505.

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