

ADX71441

Chemical Properties

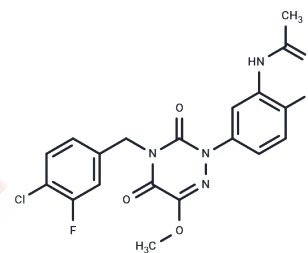
CAS No. : 1207440-88-7

Formula: C₁₉H₁₅ClF₂N₄O₄

Molecular Weight: 436.8

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	ADX71441 is a GABAB positive allosteric modulator (PAM). ADX71441 increases urinary latencies and reduces the number of urinary events and the total and average urinary volumes. ADX71441 may also mitigate alcoholism and have analgesic effects in the bladder.
Targets(IC50)	Others,GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2894 mL	11.4469 mL	22.8938 mL
5 mM	0.4579 mL	2.2894 mL	4.5788 mL
10 mM	0.2289 mL	1.1447 mL	2.2894 mL
50 mM	0.0458 mL	0.2289 mL	0.4579 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

- Hwa LS, Kalinichev M, Haddouk H, Poli S, Miczek KA. Reduction of excessive alcohol drinking by a novel GABAB receptor positive allosteric modulator ADX71441 in mice. *Psychopharmacology (Berl)*. 2014 Jan;231(2):333-43. doi: 10.1007/s00213-013-3245-z. Epub 2013 Aug 22. PubMed PMID: 23975038; PubMed Central PMCID: PMC3947346.
- Kalinichev M, Palea S, Haddouk H, Royer-Urios I, Guilloteau V, Lluel P, Schneider M, Saporito M, Poli S. ADX71441, a novel, potent and selective positive allosteric modulator of the GABA(B) receptor, shows efficacy in rodent models of overactive bladder. *Br J Pharmacol*. 2014 Feb;171(4):995-1006. doi: 10.1111/bph.12517. PubMed PMID: 24224799; PubMed Central PMCID: PMC3925038.
- Kannampalli P, Poli SM, Boléa C, Sengupta JN. Analgesic effect of ADX71441, a positive allosteric modulator (PAM) of GABA(B) receptor in a rat model of bladder pain. *Neuropharmacology*. 2017 Nov;126:1-11. doi: 10.1016/j.neuropharm.2017.08.023. Epub 2017 Aug 18. PubMed PMID: 28823612.
- Kalinichev M, Girard F, Haddouk H, Rouillier M, Riguet E, Royer-Urios I, Mutel V, Lütjens R, Poli S. The drug candidate, ADX71441, is a novel, potent and selective positive allosteric modulator of the GABA(B) receptor with a potential for treatment of anxiety, pain and spasticity. *Neuropharmacology*. 2017 Mar 1;114:34-47. doi: 10.1016/j.neuropharm.2016.11.016. Epub 2016 Nov 23. PubMed PMID: 27889489.

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