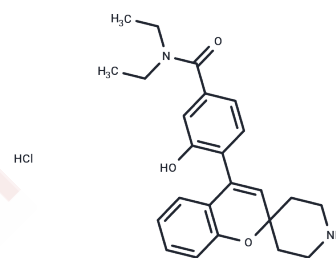


ADL-5747 (HCl)

Chemical Properties

CAS No. : 1187653-56-0
 Formula: C₂₄H₂₉ClN₂O₃
 Molecular Weight: 428.95
 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	ADL-5747, an opioid delta receptor agonist, is used potentially for the treatment of pain.
Targets(IC50)	Others,Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3313 mL	11.6564 mL	23.3127 mL
5 mM	0.4663 mL	2.3313 mL	4.6625 mL
10 mM	0.2331 mL	1.1656 mL	2.3313 mL
50 mM	0.0466 mL	0.2331 mL	0.4663 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

Le Bourdonnec B, Windh RT, Leister LK, Zhou QJ, Ajello CW, Gu M, Chu GH, Tuthill PA, Barker WM, Koblisch M, Wiant DD, Graczyk TM, Belanger S, Cassel JA, Feschenko MS, Brogdon BL, Smith SA, Derelanko MJ, Kutz S, Little PJ, DeHaven RN, DeHaven-Hudkins DL, Dolle RE. Spirocyclic delta opioid receptor agonists for the treatment of pain: discovery of N,N-diethyl-3-hydroxy-4-(spiro[chromene-2,4'-piperidine]-4-yl) benzamide (ADL5747). *J Med Chem.* 2009 Sep 24;52(18):5685-702. doi: 10.1021/jm900773n. PubMed PMID: 19694468.

Nozaki C, Le Bourdonnec B, Reiss D, Windh RT, Little PJ, Dolle RE, Kieffer BL, Gavériaux-Ruff C. δ -Opioid mechanisms for ADL5747 and ADL5859 effects in mice: analgesia, locomotion, and receptor internalization. *J Pharmacol Exp Ther.* 2012 Sep;342(3):799-807. doi: 10.1124/jpet.111.188987. PubMed PMID: 22700431; PubMed Central PMCID: PMC3422521.

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