

产品名称：**N,N-二乙基-4-(5-羟基螺[2H-1-苯并吡喃-2,4'-哌啶]-4-基)苯甲酰胺盐**
产品别名：**ADL-5859**

生物活性：						
Description		ADL5859 is a δ -opioid receptor agonist with K_i of 0.8 nM, selectivity against opioid receptor κ , μ , and weak inhibitory activity at the hERG channel. IC50 value: 0.8 nM(K_i) Target: δ -opioid receptor ADL-5859 (ADL5859) is an δ -opioid receptor agonist (K_i =0.84 nM, EC50=20 nM). ADL-5859 (ADL5859) is an agonist agent that selectively stimulates the δ -opioid receptor with potential application in a wide range of inflammatory, neuropathic and acute pain conditions. In addition, Delta agonists are thought to modulate other biological processes that may manifest themselves in disease states or conditions such as overactive bladder and depression.ADL-5859 (ADL5859) is useful for inflammatory, neuropathic and acute pain conditions.				
		In Vitro: DMSO : ≥ 100 mg/mL (233.13 mM) * "≥" means soluble, but saturation unknown.				
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References

- [2]. Le Bourdonnec B, et al. 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.
- [3]. Le Bourdonnec B, Windh RT, Ajello CW, Leister LK, Gu M, Chu GH, Tuthill PA, Barker WM, Koblish M, Wiant DD, Graczyk TM, Belanger S, Cassel JA, Feschenko MS, Brogdon BL, Smith SA, Christ DD, Derelanko MJ, Kutz S, Little PJ, DeHaven RN, DeHaven-Hudkins DL,
- [4]. Le Bourdonnec B et al. Potent, orally bioavailable delta opioid receptor agonists for the treatment of pain: discovery of N,N-diethyl-4-(5-hydroxyspiro[chromene-2,4'-piperidine]-4-yl)benzamide (ADL5859) J Med Chem. 2008 Oct 9;51(19):5893-6.