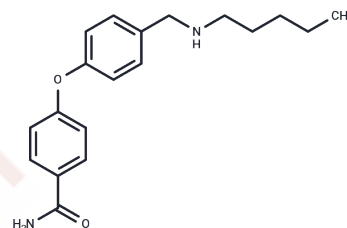


LY2048978

## Chemical Properties

CAS No. : 676495-11-7  
 Formula: C<sub>19</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 312.41  
 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	LY2048978 is an effective and orally-bioavailable antagonist of kappa-selective. It has activity in animal models predictive of efficacy in mood and addictive disorders.
Targets(IC50)	Others, Opioid Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2009 mL	16.0046 mL	32.0092 mL
5 mM	0.6402 mL	3.2009 mL	6.4018 mL
10 mM	0.3201 mL	1.6005 mL	3.2009 mL
50 mM	0.064 mL	0.3201 mL	0.6402 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

Rorick-Kehn LM, Witkin JM, Statnick MA, Eberle EL, McKinzie JH, Kahl SD, Forster BM, Wong CJ, Li X, Crile RS, Shaw DB, Sahr AE, Adams BL, Quimby SJ, Diaz N, Jimenez A, Pedregal C, Mitch CH, Knopp KL, Anderson WH, Cramer JW, McKinzie DL. LY2456302 is a novel, potent, orally-bioavailable small molecule kappa-selective antagonist with activity in animal models predictive of efficacy in mood and addictive disorders. *Neuropharmacology*. 2014 Feb; 77:131-44. doi: 10.1016/j.neuropharm.2013.09.021. Epub 2013 Sep 23. PubMed PMID: 24071566.

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