

CP-472555

Chemical Properties

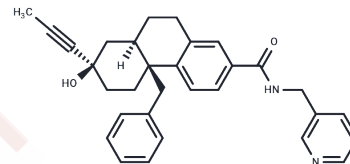
CAS No. : 305821-96-9

Formula: C₃₁H₃₂N₂O₂

Molecular Weight: 464.60

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 | CP-472555 is a selective nonsteroidal glucocorticoid receptor antagonist with anti-GR and anti-obesity activity in animal models. |
| Targets(IC50) | Glucocorticoid Receptor,Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1524 mL | 10.7619 mL | 21.5239 mL |
| 5 mM | 0.4305 mL | 2.1524 mL | 4.3048 mL |
| 10 mM | 0.2152 mL | 1.0762 mL | 2.1524 mL |
| 50 mM | 0.043 mL | 0.2152 mL | 0.4305 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

Briski KP, Kale AY, Vavaiya KV. Impact of recurring intermediate insulin-induced hypoglycemia on hypothalamic paraventricular corticotropin-releasing hormone, oxytocin, vasopressin and glucokinase gene profiles: role of type II glucocorticoid receptors. *Exp Brain Res.* 2009 Jun;195(4):499-507. doi: 10.1007/s00221-009-1787-4. Epub 2009 May 6. PubMed PMID: 19418044.

Kale AY, Paranjape SA, Briski KP. Type II glucocorticoid receptor involvement in habituated activation of lateral hypothalamic area orexin-A-immunopositive neurons during recurring insulin-induced hypoglycemia. *Neurosci Res.* 2006 Nov;56(3):309-13. Epub 2006 Sep 25. PubMed PMID: 16997409.

Kale AY, Vavaiya KV, Briski KP. Effects of acute and chronic insulin-induced hypoglycemia on type II glucocorticoid receptor (GR) gene expression in characterized CNS metabolic loci. *Brain Res Bull.* 2006 Jul 31;70(3):240-4. Epub 2006 Jun 6. PubMed PMID: 16861109.

Kale AY, Paranjape SA, Briski KP. Site-specific habituation of insulin-induced hypoglycemic induction of fos immunoreactivity in glucocorticoid receptor: immunopositive neurons in the male rat brain. *Exp Brain Res.* 2007 Jan;176(2):260-6. PubMed PMID: 16850320.

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