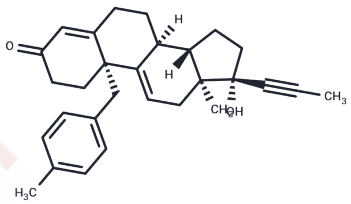
Data Sheet (Cat.No.T26152)

RU 43044

Chemical Properties



CAS No. : 136959-96-1

Formula: C29H34O2

Molecular Weight: 414.58

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	RU 43044 is a selective glucocorticoid receptor antagonist that has exhibited an antidepressant-like effect.
Targets(IC50)	Glucocorticoid Receptor,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4121 mL	12.0604 mL	24.1208 mL
5 mM	0.4824 mL	2.4121 mL	4.8242 mL
10 mM	0.2412 mL	1.206 mL	2.4121 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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

Ago Y, Arikawa S, Yata M, Yano K, Abe M, Takuma K, Matsuda T. Antidepressant-like effects of the glucocorticoid receptor antagonist RU-43044 are associated with changes in prefrontal dopamine in mouse models of depression. Neuropharmacology. 2008 Dec;55(8):1355-63. doi: 10.1016/j.neuropharm.2008.08.026. Epub 2008 Aug 30. PubMed PMID: 18796307.

Ago Y, Arikawa S, Yata M, Yano K, Abe M, Takuma K, Matsuda T. Role of prefrontal dopaminergic neurotransmission in glucocorticoid receptor-mediated modulation of methamphetamine-induced hyperactivity. Synapse. 2009 Jan;63(1):7-14. doi: 10.1002/syn.20575. PubMed PMID: 18925659.

Hasebe S, Ago Y, Nishiyama S, Oka S, Hashimoto H, Takuma K, Matsuda T. Pharmacological profile of encounter-induced hyperactivity in isolation-reared mice. Behav Pharmacol. 2015 Oct;26(7 Spec No):681-90. doi: 10.1097/FBP.0000000000000140. PubMed PMID: 25932719.

Schust DJ, Anderson DJ, Hill JA. Progesterone-induced immunosuppression is not mediated through the progesterone receptor. Hum Reprod. 1996 May;11(5):980-5. PubMed PMID: 8671374.