

RU 33965

Chemical Properties

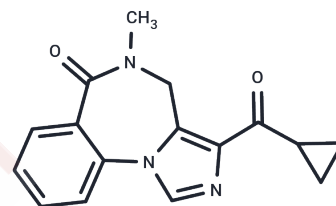
CAS No. : 122321-05-5

Formula: C₁₆H₁₅N₃O₂

Molecular Weight: 281.31

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 33965, a 3-cyclopropyl carbonyl imidazobenzodiazepine, act as a low-efficacy benzodiazepine receptor inverse agonist.
Targets(IC50)	Others,GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5548 mL	17.774 mL	35.548 mL
5 mM	0.711 mL	3.5548 mL	7.1096 mL
10 mM	0.3555 mL	1.7774 mL	3.5548 mL
50 mM	0.0711 mL	0.3555 mL	0.711 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

- Gardner CR, Budhram P, Parker FL. Discriminative stimulus properties of RU 33965, a benzodiazepine receptor weak partial inverse agonist. *Pharmacol Biochem Behav.* 1992 Oct;43(2):583-8. PubMed PMID: 1359581.
- Ward RA, Gardner CR, Pringle A, Bagust J, Walker RJ. The effects of RU 33965 and RU 34030, two new 3-cyclopropyl carbonyl imidazobenzodiazepines, on GABA_A receptor-mediated synaptic transmission in cerebellar slices in the rat. *Gen Pharmacol.* 1994 May;25(3):589-97. PubMed PMID: 7926610.
- Turchi J, Holley LA, Sarter M. Effects of benzodiazepine receptor inverse agonists and nicotine on behavioral vigilance in senescent rats. *J Gerontol A Biol Sci Med Sci.* 1996 May;51(3):B225-31. PubMed PMID: 8630700.
- McGaughy J, Sarter M. Behavioral vigilance in rats: task validation and effects of age, amphetamine, and benzodiazepine receptor ligands. *Psychopharmacology (Berl).* 1995 Feb;117(3):340-57. PubMed PMID: 7770610.

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