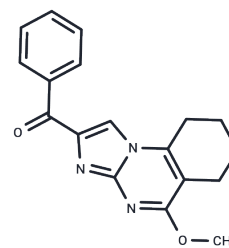


Ru-32514

Chemical Properties

CAS No. : 90807-98-0
 Formula: C₁₈H₁₇N₃O₂
 Molecular Weight: 307.35
 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-32514 is a benzodiazepine receptor agonist that partially reverses stress-induced arousal in mice and is used in the study of neurological disorders.
Targets(IC50)	GABA Receptor
In vivo	The CL218872 gene is rarely replaced in rats at the given RU32514 (5,10,20 mg/kg,po) doses at a rate of less than 50%.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2536 mL	16.2681 mL	32.5362 mL
5 mM	0.6507 mL	3.2536 mL	6.5072 mL
10 mM	0.3254 mL	1.6268 mL	3.2536 mL
50 mM	0.0651 mL	0.3254 mL	0.6507 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, et al. Discriminative stimulus properties of CL218872 and chlordiazepoxide in the rat. Pharmacol Biochem Behav. 1989 Dec;34(4):711-5.
 Gardner CR, et al. Discriminative stimulus properties of CL218872 and chlordiazepoxide in the rat. Pharmacol Biochem Behav. 1989 Dec;34(4):711-5.

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