

CP-409092

Chemical Properties

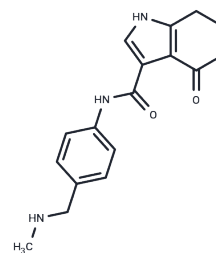
CAS No. : 194098-25-4

Formula: C₁₇H₁₉N₃O₂

Molecular Weight: 297.35

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	CP-409092 is a partial GABA _A receptor agonist. It has anti-anxiety activity.
Targets(IC ₅₀)	GABA Receptor
In vivo	[¹⁴ C]CP-409,092(P.O.; 100 mg/kg;) treatment, the total recovery is 89.1%+ or -3.2% for male rats and 89.3%+ or -0.58% for female rats. The pharmacokinetics of CP-409,092 (P. O.; 4 and 15 mg/kg;single intravenous) treatment , are characterized by high clearance of 169+ or -18 mL/min/kg, a volume of distribution of 8.99+ or -1.46 L/kg, and an oral bioavailability of 2.9%+ or -3%.

Solubility Information

Solubility	DMSO: 41.67 mg/mL (140.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (6.73 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.363 mL	16.8152 mL	33.6304 mL
5 mM	0.6726 mL	3.363 mL	6.7261 mL
10 mM	0.3363 mL	1.6815 mL	3.363 mL
50 mM	0.0673 mL	0.3363 mL	0.6726 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

Kamel A, et al. Metabolism, pharmacokinetics and excretion of the GABA(A) receptor partial agonist [(14)C]CP-409,092 in rats. *Xenobiotica*. 2010 Jun;40(6):400-14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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