

S 16924

Chemical Properties

CAS No. : 734513-52-1

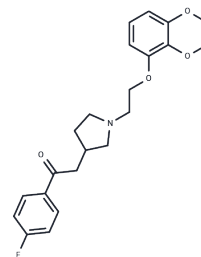
Formula: C₂₂H₂₄FNO₄

Molecular Weight: 385.43

Pure form: -20°C for 3 years | In solvent: -80°C for 1

Storage: year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	S 16924 is a 5-HT 1A agonist with potential anxiolytic effects and may be useful in the study of neurologic disorders.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5945 mL	12.9725 mL	25.945 mL
5 mM	0.5189 mL	2.5945 mL	5.189 mL
10 mM	0.2595 mL	1.2973 mL	2.5945 mL
50 mM	0.0519 mL	0.2595 mL	0.5189 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

Millan MJ, et al. S-16924, a novel, potential antipsychotic with marked serotonin_{1A} agonist properties. IV. A drug discrimination comparison with clozapine. *J Pharmacol Exp Ther.* 1999 Apr;289(1):427-36.

Millan MJ, et al. S 16924 ((R)-2-[1-[2-(2,3-dihydro-benzo[1,4] dioxin-5-Yloxy)-ethyl]-pyrrolidin-3yl]-1-(4-fluoro-phenyl)-ethanone), a novel, potential antipsychotic with marked serotonin (5-HT)_{1A} agonist properties: I. Receptorial and neurochemical profile in comparison with clozapine and haloperidol. *J Pharmacol Exp Ther.* 1998 Sep;286(3):1341-55.

Millan MJ, Brocco M, Gobert A, Schreiber R, Dekeyne A. S-16924 [(R)-2-[1-[2-(2,3-dihydro-benzo[1,4]dioxin-5-yloxy)-ethyl]- pyrrolidin-3yl]-1-(4-fluorophenyl)-ethanone], a novel, potential antipsychotic with marked serotonin_{1A} agonist properties: III. Anxiolytic actions in comparison with clozapine and haloperidol. *J Pharmacol Exp Ther.* 1999 Mar;288(3):1002-14. PubMed PMID: 10027837.

Millan MJ, Schreiber R, Dekeyne A, Rivet JM, Bervoets K, Mavridis M, Sebban C, Maurel-Remy S, Newman-Tancredi A, Spedding M, Muller O, Lavielle G, Brocco M. S 16924 ((R)-2-[1-[2-(2,3-dihydro-benzo[1,4] dioxin-5-yloxy)-ethyl]-pyrrolidin-3yl]-1-(4-fluoro-phenyl)-ethanone), a novel, potential antipsychotic with marked serotonin (5-HT)_{1A} agonist properties: II. Functional profile in comparison to clozapine and haloperidol. *J Pharmacol Exp Ther.* 1998 Sep;286(3):1356-73. PubMed PMID: 9732399.

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