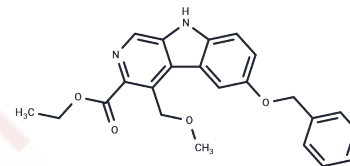


ZK93423

Chemical Properties

CAS No. : 83910-44-5
 Formula: C₂₃H₂₂N₂O₄
 Molecular Weight: 390.43
 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	ZK93423 is a potent agonist of benzodiazepine receptor (IC ₅₀ = 1 nM) with non-selective between α 1-, α 2-, α 3- and α 5-subunit containing GABAA receptors, K _i values are 4.1, 4.2, 6 and 4.5 nM for inhibition of [3H]Ro15-1788 binding to human recombinant α 1 β 3 γ 2, α 2 β 3 γ 2, α 3 β 3 γ 2 and α 5 β 3 γ 2 receptors respectively.
Targets(IC ₅₀)	Others,GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5613 mL	12.8064 mL	25.6128 mL
5 mM	0.5123 mL	2.5613 mL	5.1226 mL
10 mM	0.2561 mL	1.2806 mL	2.5613 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

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- Davies M, Bateson AN, Dunn SM. Structural requirements for ligand interactions at the benzodiazepine recognition site of the GABA(A) receptor. J Neurochem. 1998 May;70(5):2188-94. PubMed PMID: 9572307.
- Rodgers RJ, Randall JI. Are the analgesic effects of social defeat mediated by benzodiazepine receptors? Physiol Behav. 1987;41(3):279-89. PubMed PMID: 2829247.

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