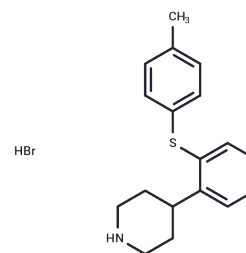


Tediatoxetine hydrobromide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 960151-65-9 |
| Formula: | C ₁₈ H ₂₂ BrNS |
| Molecular Weight: | 364.34 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i> |



Biological Description

| | |
|----------------------------|---|
| Description | Tediatoxetine hydrobromide (Lu AA 24530 hydrobromide) is a serotonin-norepinephrine-dopamine reuptake inhibitor and an antagonist of 5-HT _{2A} , 5-HT _{2C} , 5-HT ₃ , and α 1A-adrenergic receptors, which can be used to treat depression and anxiety. |
| Targets(IC ₅₀) | 5-HT Receptor, Adrenergic Receptor, Norepinephrine, Dopamine Receptor |
| In vitro | Tediatoxetine hydrobromide is often used as an antagonist of 5-HT _{2A} , 5-HT _{2C} , 5-HT ₃ , and α 1A adrenergic receptors[1]. |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 80 mg/mL (219.58 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: 3.3 mg/mL (9.06 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 | 2.7447 mL | 13.7234 mL | 27.4469 mL |
| 5 mM | 0.5489 mL | 2.7447 mL | 5.4894 mL |
| 10 mM | 0.2745 mL | 1.3723 mL | 2.7447 mL |
| 50 mM | 0.0549 mL | 0.2745 mL | 0.5489 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

Javelot H. [Psychopharmacology of anxiety and depression: Historical aspects, current treatments and perspectives]. Ann Pharm Fr. 2016 Mar;74(2):93-118.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481