

## Umespirone

## Chemical Properties

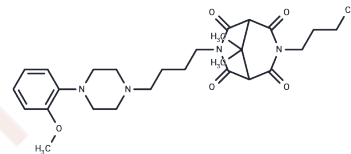
CAS No. : 107736-98-1

Formula: C<sub>28</sub>H<sub>40</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight: 512.64

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	Umespirone is a potential antipsychotic/anxiolytic drug of the azapirone class. It possesses anxiolytic and antipsychotic properties.
Targets(IC50)	Others, Sigma receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9507 mL	9.7534 mL	19.5069 mL
5 mM	0.3901 mL	1.9507 mL	3.9014 mL
10 mM	0.1951 mL	0.9753 mL	1.9507 mL
50 mM	0.039 mL	0.1951 mL	0.3901 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

Démolis JL, Martel C, Funck-Brentano C, Sachse A, Weimann HJ, Jaillon P. Effects of tedisamil, atenolol and their combination on heart and rate-dependent QT interval in healthy volunteers. *Br J Clin Pharmacol*. 1997 Oct;44(4): 403-9. PubMed PMID: 9354317; PubMed Central PMCID: PMC2042860.

Hohnloser SH, Dorian P, Straub M, Beckmann K, Kowey P. Safety and efficacy of intravenously administered tedisamil for rapid conversion of recent-onset atrial fibrillation or atrial flutter. *J Am Coll Cardiol*. 2004 Jul 7;44(1): 99-104. PubMed PMID: 15234416.

van Haarst AD, Dijkmans AC, Weimann HJ, Kemme MJ, Bosch JJ, Schoemaker RC, Cohen AF, Burggraaf J. Clinically important interaction between tedisamil and verapamil. *J Clin Pharmacol*. 2009 May;49(5):560-7. doi: 10.1177 /0091270009332812. Epub 2009 Mar 19. PubMed PMID: 19299533.

Mitrovic V, Miskovic A, Strau M, Thormann J, Pitschner H, Hamm C. Hemodynamic, antiischemic, and neurohumoral effects of tedisamil and atenolol in patients with coronary artery disease. *Cardiovasc Drugs Ther*. 2000 Oct;14(5): 511-21. PubMed PMID: 11101199.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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