



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **ML224**

产品别名: **NCGC00242364; ANTAG3**

生物活性:

Description	<p>ML224(NCGC00242364; ANTAG3) is a selective TSHR inverse agonist; inhibits TSH-stimulated cAMP production with an IC50 = 2.3 μM. IC50 value: 2.3 uM [1] Target: TSHR agonist in vitro: ANTAG3 was selective for TSHR inhibition; half-maximal inhibitory doses were 2.1 μM for TSHR and greater than 30 μM for LH and FSH receptors [2]. in vivo: In mice treated with TRH, ANTAG3 lowered serum free T4 by 44% and lowered mRNAs for sodium-iodide cotransporter and thyroperoxidase by 75% and 83%, respectively. In mice given M22, ANTAG3 lowered serum free T4 by 38% and lowered mRNAs for sodium-iodide cotransporter and thyroperoxidase by 73% and 40%, respectively [2].</p>	
Solvent&Solubility	<p><i>In Vitro:</i></p> <p>DMSO : 100 mg/mL (190.26 mM; Need ultrasonic)</p> <p>H₂O : < 0.1 mg/mL (insoluble)</p>	
	<table><tr><td rowspan="4">Preparing </td></tr></table>	Preparing
	Preparing 	



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

References	<p>[1]. Huang W, et al. Identification of Thyroid Stimulating Hormone Receptor Inverse Agonists. Probe Reports from the NIH Molecular Libraries Program</p> <p>[2]. Neumann S, et al. A selective TSH receptor antagonist inhibits stimulation of thyroid function in female mice. Endocrinology. 2014 Jan;155(1):310-4.</p>
-------------------	--