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产品名称: **Tetrabenazine ((+)-)**

产品别名: **(+)-丁苯那嗪; (+)-TBZ; (3R,11bR)-TBZ; (3R,11bR)-Tetrabenazine**

生物活性:				
Description	<p>(+)-Tetrabenazine ((+)-TBZ; (3R,11bR)-TBZ; (3R,11bR)-Tetrabenazine) is a reversible inhibitor of vesicular monoamine transporter 2 (VMAT-2), inhibits transport by VMAT2 with 10-fold greater potency than transport by VMAT1. target: VMAT-2 In vitro: (+)-Tetrabenazine inhibit the activity of the transporter but appear to interact differently with the protein. [2] (+)-Tetrabenazine inhibits reserpine binding to the transporter, suggesting that the sites may interact in an allosteric manner. [1] In vivo: 0.9% saline (80%) and dimethylsulfoxide (DMSO) (20%). (+)-Tetrabenazine blocks dopamine (DA) storage and depletes striatal DA; (+)-Tetrabenazine was shown to induce tremulous jaw movements (TJMs) in rats and mice. The reference dose for administration is 2.0 mg/kg.[2]</p>			
Solvent&Solubility	<p>In Vitro:</p> <p>DMSO : ≥ 100 mg/mL (315.04 mM)</p> <p>* "≥" means soluble, but saturation unknown.</p>			
	Preparing Stock Solutions	<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
		1 mM	3.1504 mL	15.7520 mL
		5 mM	0.6301 mL	3.1504 mL
		10 mM	0.3150 mL	1.5752 mL
	<p>*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。</p> <p>储备液的保存方式和期限: -80℃, 6 months; -20℃, 1 month。 -80℃ 储存时, 请在 6 个月内使用, -20℃ 储存时, 请在 1 个月内使用。</p>			
References	<p>[1]. Podurgiel SJ et al. The MAO-B inhibitor deprenyl reduces the oral tremor and the dopamine depletion induced by the VMAT-2 inhibitor tetrabenazine. Behav Brain Res. 2016 Feb 1;298(Pt B):188-91.</p> <p>[2]. Peter D et al. Chimeric vesicular monoamine transporters identify structural domains that influence substrate affinity and sensitivity to tetrabenazine. J Biol Chem. 1996 Feb 9;271(6):2979-86.</p>			