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产品名称: **U93631**
产品别名: **U93631**

生物活性:				
Description	U93631 is a GABAA receptor ligand of novel chemical structure with IC ₅₀ of 100 nM, and has been shown to induce a rapid, time-dependent decay of GABA-induced whole-cell Cl ⁻ currents in recombinant GABAA receptors. target: GABAA receptor IC ₅₀ : GABAA receptor[1] In vitro: In the presence of U93631 at 5 μ M, the peak amplitude decreased as a function of GABA concentration, with the half-maximal inhibitory concentration being approximately 100 nM, which is close to the K _d for the high affinity GABA site(85 nM). It appears that the drug interacts with GABA-bound receptors (at least monoliganded) and accelerates receptor desensitization, rather than acting as an open channel blocker. [1]			
Solvent&Solubility	In Vitro: DMSO : \geq 34 mg/mL (113.57 mM) * "≥" means soluble, but saturation unknown.			
	<div>Preparing Stock Solutions</div>	<div>Solvent Mass Concentration</div>	1 mg	5 mg
		1 mM	3.3403 mL	16.7017 mL
		5 mM	0.6681 mL	3.3403 mL
		10 mM	0.3340 mL	1.6702 mL
	*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。 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。			
References	[1]. Dillon,GH et al.U-93631 causes rapid decay of gamma-aminobutyric acid-induced chloride currents in recombinant rat gamma-aminobutyric acid type A receptors.Molecular Pharmacology October 1993, 44 (4) 860-865			