

产品名称：双氯非那胺

产品别名：**Dichlorphenamide**；二氯苯二磺胺

生物活性：

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Description	Dichlorphenamide(Diclofenamide) is a carbonic anhydrase inhibitor that is used in the treatment of glaucoma. Target: Carbonic Anhydrase Dichlorphenamide is a sulfonamide and a carbonic anhydrase inhibitor of the meta-Disulfamoylbenzene class. This drug has the same side-effects as acetazolamide, for which it is a useful substitute, except for a lesser tendency to cause dermatitis, renal calculi and metabolic acidosis. It may induce a more pronounced renal loss of potassium [1]. An average daily dose of 33 mg of diclofenamide, a carbonic-anhydrase inhibitor, was added to the anti-epileptic medication already employed in 105 cases of severe epilepsy which had shown insufficient clinical improvement. A favourable action on seizures, often accompanied by an improvement in the EEG tracing, was observed in 83 cases. The effect was of long duration in 47 cases in that it lasted for more than a year. It persisted for one to twelve months in a further 17 cases, while in 19 patients, who had reacted favourably to the treatment, medication had to be suspended because of intolerance [2].				
Solvent&Solubility	In Vitro:				
	DMSO : ≥ 28 mg/mL (91.76 mM)				
	* "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent / Mass Concentration	1 mg	5 mg	10 mg
		1 mM	3.2770 mL	16.3848 mL	32.7697 mL
5 mM		0.6554 mL	3.2770 mL	6.5539 mL	
	10 mM	0.3277 mL	1.6385 mL	3.2770 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°C, 6 months; -20°C, 1 month。 -80°C 储存时，请在 6 个月内使用， -20°C 储存时，请在 1 个月内使用。					
References	[1]. Kanski, J.J., Carbonic anhydrase inhibitors and osmotic agents in glaucoma. Carbonic anhydrase inhibitors. Br J Ophthalmol, 1968. 52(8): p. 642-3. [2]. Rucquoy, M. and L. Sorel, Diclofenamide in the treatment of therapy-resistant epilepsy. Acta Neurol Belg, 1978. 78(3): p. 174-82.				